LCD TV

Directions for Use

Important!
Return your
Warranty
Registration Card
within 10 days.
See why inside.

Need help?
Call us!

Philips representatives are ready to help you with any questions about your new product. We can guide you through Connections, First-time Setup, or any of the Features. We want you to start enjoying your new product right away!

FOR FAST HELP PLEASE CALL,
1-800-531-0039
or
Visit us on the web at
www.philips.com

Let's make things better.

PHILIPS

3139 125 31871

Return your Warranty Registration card today to ensure you receive all the benefits you're entitled to.

Once your PHILIPS purchase is registered, you're eligible to receive all the privileges of owning a PHILIPS product. So complete and return the Warranty Registration Card enclosed with your purchase at once. And take advantage of these important benefits.

Warranty Verification

Registering your product within 10 days confirms your right to maximum protection under the terms and conditions of your PHILIPS warranty.

Owner Confirmation

Your completed Warranty Registration Card serves as verification of ownership in the event of product theft or loss.

Model Registration

Returning your Warranty Registration Card right away guarantees you'll receive all the information and special offers which you qualify for as the owner of your model.

Congratulations on your **purchase,** and welcome to the **"family!"**

PHILIPS



Dear PHILIPS product owner:

Thank you for your confidence in PHILIPS. You've selected one of the best-built, best-backed products available today. And we'll do everything in our power to keep you happy with your purchase for many years to come.

As a member of the PHILIPS "family," you're entitled to protection by one of the most comprehensive warranties and outstanding service networks in the industry.

What's more, your purchase guarantees you'll receive all the information and special offers for which you qualify, plus easy access to accessories from our convenient home shopping network.

And most importantly you can count on our uncompromising commitment to your total satisfaction.

All of this is our way of saying welcome–and thanks for investing in a PHILIPS product.

Sincerely,

Lawrence J. Blanford

Lawrence J. Blanford
President and Chief Executive Officer

P.S. Remember, to get the most from your PHILIPS product, you must return your Warranty Registration Card within 10 days. So please mail it to us right now!

Know these **safety** symbols



⚡ This "bolt of lightning" indicates uninsulated material within your unit may cause an electrical shock. For the safety of everyone in your household, please do not remove product covering.

❗ The "exclamation point" calls attention to features for which you should read the enclosed literature closely to prevent operating and maintenance problems.

WARNING: TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.

CAUTION: To prevent electric shock, match wide blade of plug to wide slot, and fully insert.

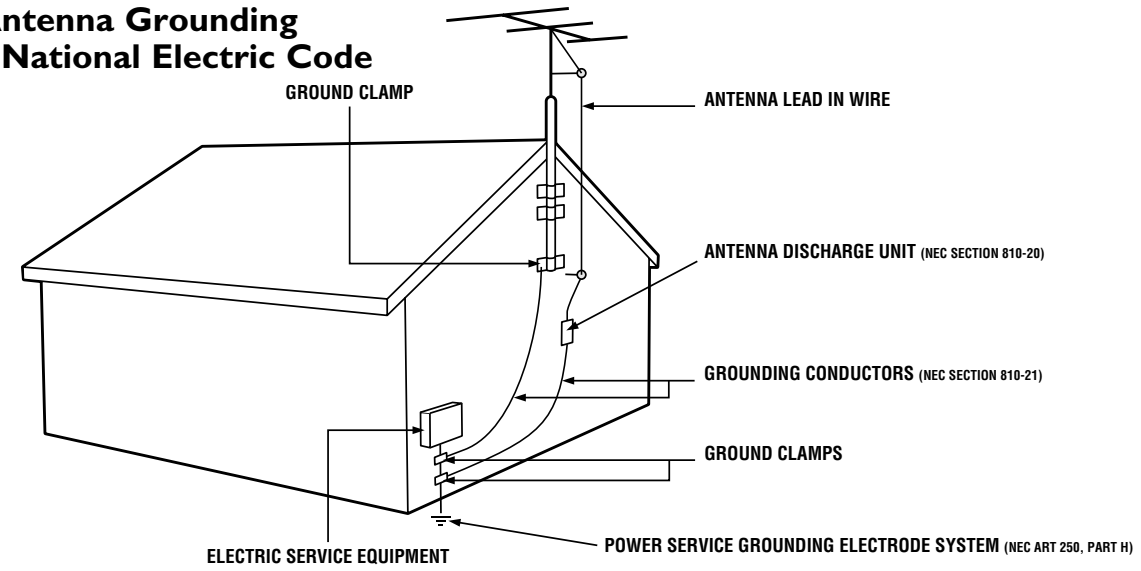
ATTENTION: Pour éviter les chocs électriques, introduire la lame la plus large de la fiche dans la borne correspondante de la prise et pousser jusqu'au fond.

IMPORTANT SAFETY INSTRUCTIONS
Read before operating equipment

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with a dry cloth.
7. Do not block any of the ventilation openings. Install in accordance with the manufacturers instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and third grounding prong. The wide blade or third prong are provided for your safety. When the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12.  Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. This product may contain lead and mercury. Disposal of these materials may be regulated due to environmental considerations. For disposal or recycling information, please contact your local authorities or the Electronic Industries Alliance: www.eiae.org
16. **Damage Requiring Service** - The appliance should be serviced by qualified service personnel when:
 A. The power supply cord or the plug has been damaged; or
 B. Objects have fallen, or liquid has been spilled into the appliance; or
 C. The appliance has been exposed to rain; or
 D. The appliance does not appear to operate normally or exhibits a marked change in performance; or
 E. The appliance has been dropped, or the enclosure damaged.
17. **Tilt/Stability** - All televisions must comply with recommended international global safety standards for tilt and stability properties of its cabinet design.
• Do not compromise these design standards by applying excessive pull force to the front, or top, of the cabinet which could ultimately overturn the product.
• Also, do not endanger yourself, or children, by placing electronic equipment/toys on the top of the cabinet. Such items could unsuspectingly fall from the top of the set and cause product damage and/or personal injury.
18. **Wall or Ceiling Mounting** - The appliance should be mounted to a wall or ceiling only as recommended by the manufacturer.
19. **Power Lines** - An outdoor antenna should be located away from power lines.
20. **Outdoor Antenna Grounding** - If an outside antenna is connected to the receiver, be sure the antenna system is grounded so as to provide some protection against voltage surges and built up static charges.
Section 810 of the National Electric Code, ANSI/NFPA No. 70-1984, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding connectors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See Figure below.
21. **Object and Liquid Entry** - Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.
22. **Battery Usage CAUTION -** To prevent battery leakage that may result in bodily injury, property damage, or damage to the unit:
• Install all batteries correctly, with + and - aligned as marked on the unit.
• Do not mix batteries (old and new or carbon and alkaline, etc.).
• Remove batteries when the unit is not used for a long time.

Note to the CATV system installer: This reminder is provided to call the CATV system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

Example of Antenna Grounding as per NEC - National Electric Code



PRECAUTIONS

Additional Safety Precautions:

- Do not shift or move the LCD TV around when it is powered on.
- Do not connect any AC/DC adapter to your LCD TV that does not originally come with the television. Only use the recommended part or parts that are approved by Philips Consumer Electronics.
- Caution: Do not use any cover or enclose the AC/DC adapter with any objects like a cloth or box which might shorten the life of the equipment.
- Do not touch, push or rub the surface of the LCD screen with any sharp or hard objects.
- When the surface of the LCD screen becomes dusty, wipe it gently with an absorbent cotton cloth or other soft material like chamois. DO NOT use acetone, toluene or alcohol to clean the surface of the screen. These chemicals will cause damage.
- Wipe off water, or saliva as soon as possible. Long exposer time to liquids can cause deformation and color fading of the LCD screen.
- Be careful of condensation when temperature changes occur. Condensation can cause damage to the LCD screen and electrically parts. After condensation fades, spots or blemishes will be present on the LCD screen.

Positioning the LCD Television:

- Place the LCD TV on a solid, sturdy base or stand. Be sure the stand is strong enough to handle the weight of the LCD TV.
- Try to leave at least 6” of space around each side of the LCD TV cabinet to allow for proper ventilation.
- Do not place the LCD TV near a radiator or other sources of heat.
- Do not place the LCD TV where it can be exposed to rain or excessive moisture.

Recycling Procedure/End of Life Disposal:

- To minimize harm to the environment, the batteries supplied with the LCD TV do not contain mercury or nickel cadmium. If possible, when disposing of batteries, use recycling means available in your area.
- The LCD TV uses materials that can be recycled. To minimize the amount of waste in the environment, check your area for companies that will recover used televisions for dismantling and collection of reusable materials, or contact your dealer for TV recycling tips.
- Please dispose of the carton and packing material through the proper waste disposal management in your area.

NOTE: It is possible that this owner's manual may be used with several different television models. Not all features (and drawings) discussed in this manual will necessarily match those found with your television system. While every effort is made to give the consumer the most accurate information possible regarding this product, normal changes in production could occur effecting the images and onscreen menu procedures outlined in this manual. This is normal and does not require you contacting your dealer or requesting service.

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Here are a few of the features built into your new Television:

Audio/Video Jack Panels allows direct connections with VCRs, DVDs, PCs or other devices, providing quality TV picture and sound playback.

Audio Volume Leveler (AVL) Control keeps the TV sound at an even level. Peaks and valleys that occur during program changes or commercial breaks are reduced, making for a more consistent, comfortable sound.

AutoChron™ automatically sets the right time of day and maintains it with digital precision through brownouts, power failures, and even Daylight Savings Time adjustments.

AutoLock™ allows you to block the viewing of certain channels or programs with certain ratings if you do not want your children to view inappropriate materials.

Auto Programming scans (when activated) for all available channels from regular antenna or cable signals and stores only active broadcast stations in the TV's memory.

AutoPicture™ allows you to change the picture settings (color, tint, contrast, etc.) for various types of programming, such as sports, movies, multimedia (games), or weak signals with the push of one button.

AutoSound™ allows you to select from three factory-set controls and a personal control that you set according to your own preferences through the onscreen Sound menu. The three factory-set controls (Voice, Music, and Theatre) enable you to tailor the TV sound so as to enhance the particular programming you are watching.

Closed Captioning allows the viewer to read TV program dialogue or voice conversations as onscreen text.

Infrared Remote Control works your TV and other remote-controlled devices, such as VCRs, DVD players, cable converters, and satellite receivers.

Surf Button allows you to easily switch among only the channels that are of interest to you (the ones that you have

programmed into the TV's Surf control through the onscreen menu).

Timer allows you to set your TV to turn itself ON and OFF once or daily like an alarm clock.

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How to Use the Language Control

For or Spanish- and French-speaking TV owners, an onscreen LANGUAGE option is present. The LANGUAGE control enables you to set the TV's onscreen menu to be shown in either English, Spanish, or French.

1 **Press the MENU button** on the remote control to show the onscreen menu.

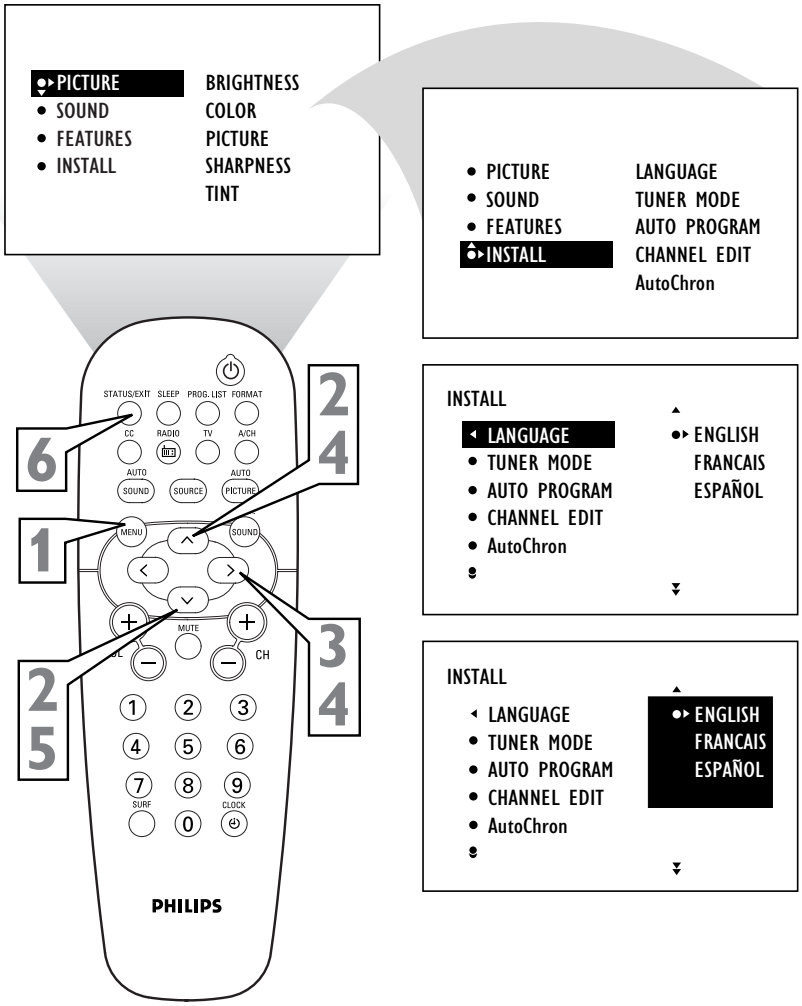
2 **Press the CURSOR DOWN button** repeatedly until INSTALL is highlighted.

3 **Press the CURSOR RIGHT button** to shift the menu to the left and highlight LANGUAGE.

4 **Press the CURSOR RIGHT button** to highlight the LANGUAGE control options.

5 **Press the CURSOR UP or CURSOR DOWN button** to select ENGLISH, ESPANOL (Spanish), or FRANCAIS (French).

6 **Press the STATUS/EXIT button** to clear the menu from the screen.



Helpful Hint

Remember, the LANGUAGE control makes only the TV's onscreen MENU items appear in English, Spanish, or French text. It does not change the other onscreen text features, such as Closed Captioning (CC), with TV shows.

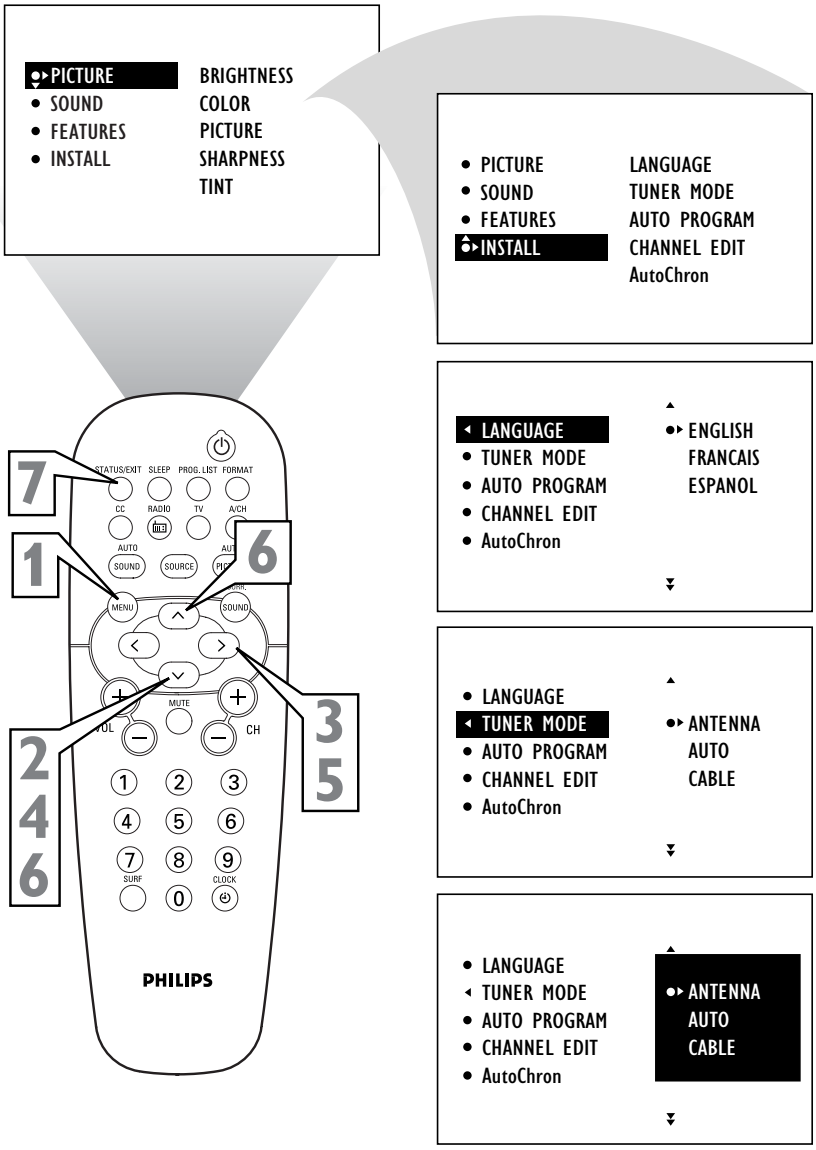
How to Use the Tuner Mode Control

The TUNER MODE allows you to change the TV's signal input to CABLE, ANTENNA, or AUTO mode. It's important for the TV to know if you want to receive channels from a cable TV signal or a normal antenna signal.

***NOTE:** The AUTO mode setting helps the TV determine the type of signal or channels being received when AUTO PROGRAM is activated.*

1. **Press the MENU button** on the remote control to show the onscreen menu.
2. **Press the CURSOR DOWN button** repeatedly until INSTALL is highlighted.
3. **Press the CURSOR RIGHT button** to shift the menu to the left.
4. **Press the CURSOR DOWN button** to highlight the TUNER MODE control.
5. **Press the CURSOR RIGHT button** to highlight the tuner options.
6. **Press the CURSOR UP or CURSOR DOWN button** to select CABLE, ANTENNA or AUTO.

 If TUNER MODE is set to AUTO, Auto Program (see below) will detect whether or not cable input is present.
7. **Press the STATUS/EXIT button** to clear the menu from the screen.



Helpful Hint

When CABLE is selected, channels 1–125 are available.

When ANTENNA is selected, channels 2–69 are available.

How to Auto Program TV Channels

Your TV can automatically set itself for local area (or cable TV) channels. This makes it easy for you to select only the TV stations in your area by pressing the CHANNEL (+) or (–) button.

1 **Press the MENU button** on the remote control to show the onscreen menu.

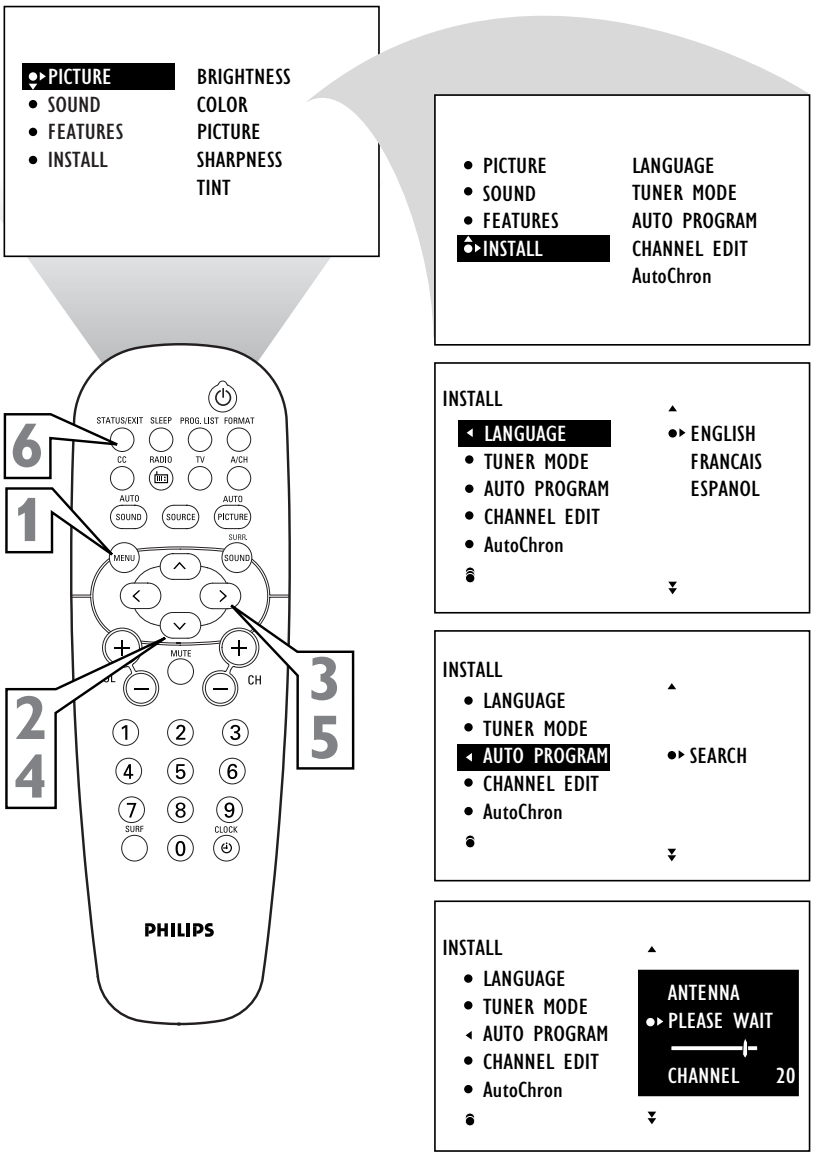
2 **Press the CURSOR DOWN button** repeatedly until INSTALL is highlighted.

3 **Press the CURSOR RIGHT button** to shift the menu to the left. LANGUAGE will be highlighted.

4 **Press the CURSOR DOWN button** repeatedly until the AUTO PROGRAM control is highlighted.

5 **Press the CURSOR RIGHT button** to start the Auto Program scanning of channels.

6 **Press the STATUS/EXIT button** to clear the menu from the screen.



Helpful Hint

After you've run Auto Program, check out the results. Press the CHANNEL (+) or (–) button and see which channels you can select.
Remember, an antenna or cable TV signal must first be connected to your TV (see instructions for making connections within the *Quick Use and Hookup Guide*).

How to Add or Delete Channels (Channel Edit Control)

CHANNEL EDIT makes it easy for you to add or delete channels from the list of channels stored in the TV's memory.

1 **Press the MENU button** on the remote control to show the onscreen menu.

2 **Press the CURSOR DOWN button** repeatedly until INSTALL is highlighted.

3 **Press the CURSOR RIGHT button** to shift the menu to the left. LANGUAGE will be highlighted.

4 **Press the CURSOR DOWN button** repeatedly until the CHANNEL EDIT control is highlighted.

5 **Press the CURSOR RIGHT button** to access the CHANNEL EDIT menu.

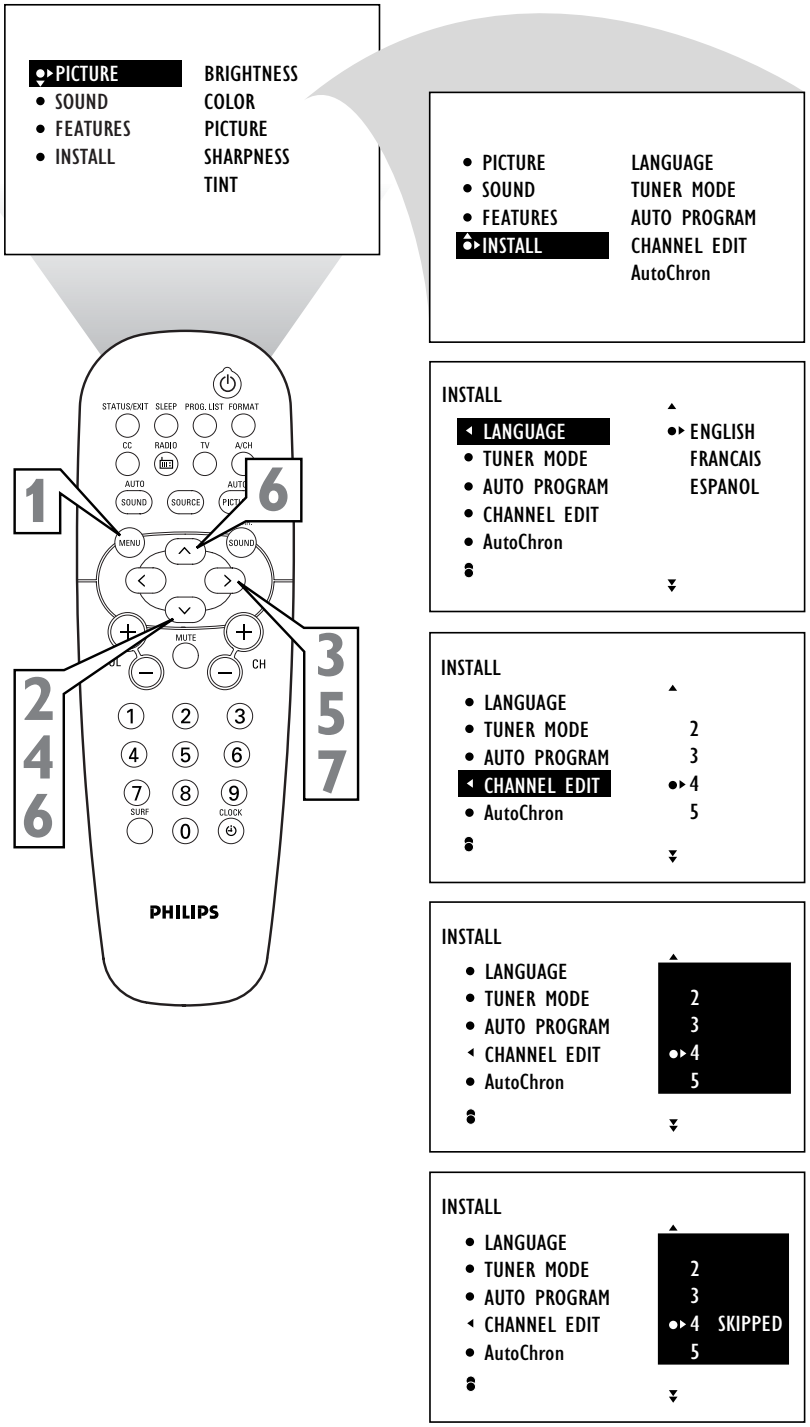
6 **Press the CURSOR UP or CURSOR DOWN button** to scroll through the list of available channels. Or press the number buttons on your remote control to select a specific channel (for example, press *0* and then *2* to select channel 2).

7 With the channel you want to edit selected, **press the CURSOR RIGHT button** to mark the channel as SKIPPED. The channel you've marked SKIPPED will not appear when you are changing from channel to channel while watching TV.

NOTE: When you want to add a channel that has been marked SKIPPED, **press the CURSOR UP or CURSOR DOWN button** to highlight the channel; then **press the CURSOR RIGHT button** to remove the word SKIPPED.

Helpful Hint

The channels available for you to edit are the ones that the AUTO PROGRAM feature found through a search of your TV antenna or cable TV signals. Channels not found during the search are marked SKIPPED.



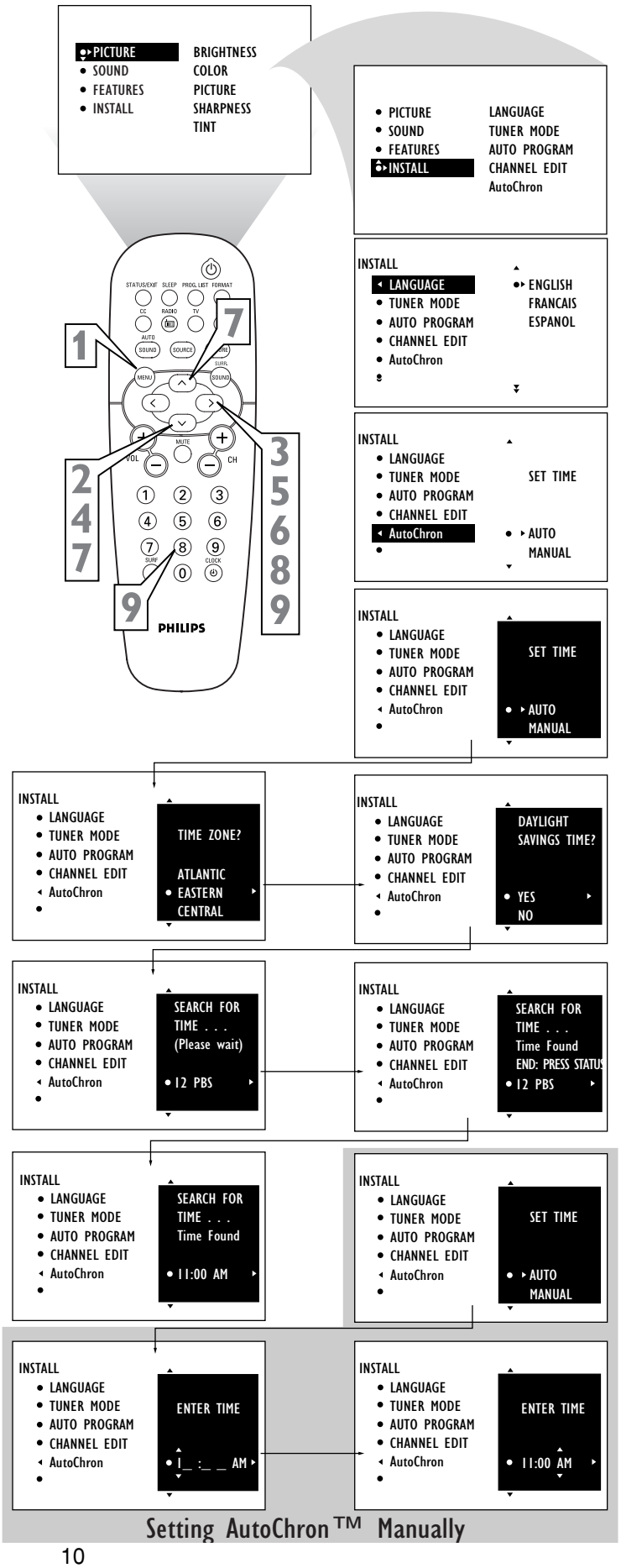
How to Use the AutoChron™ Control

AutoChron™ can automatically set the TV's onscreen clock. Because the time is received from a broadcast signal, you must be sure that a cable TV or antenna signal is present before you attempt to use the AutoChron™ feature.

1. **Press the MENU button** on the remote to show the onscreen menu.
2. **Press the CURSOR DOWN button** repeatedly until INSTALL is highlighted.
3. **Press the CURSOR RIGHT button** to shift the menu to the left. LANGUAGE will be highlighted.
4. **Press the CURSOR DOWN button** until the AutoChron control is highlighted.
5. **Press the CURSOR RIGHT button** to start the AutoChron™ feature. Then just follow the onscreen instructions to set the clock.
6. **Press the CURSOR RIGHT button** to select AUTO. Within a few seconds, a menu for choosing your time zone will appear.
7. **Press the CURSOR UP or CURSOR DOWN button** to highlight your correct time zone.
8. **With your correct time zone highlighted, press the CURSOR RIGHT button.** Within a few seconds, you will be given the option to choose whether you want to select Daylight Savings Time. If your time zone uses Daylight Savings, select YES.
9. **Enter your local PBS channel** or any local channel that transmit the current time, and **press the CURSOR RIGHT button** to start the searching process. If the AutoChron™ features finds the current time you are done. If it doenot find the current time, re-enter an other channel and search again.

Helpful Hint

When turned ON, the AutoChron™ feature can affect the start up of your television. When the power button is press and the AutoChron™ feature is set to the AUTO position, the TV will scan the channels for a PBS channel to set the clock automatically. It may take SEVERAL seconds before the TV powers itself ON.



Setting AutoChron™ Manually

How to Use the Name Control (Channel Label)

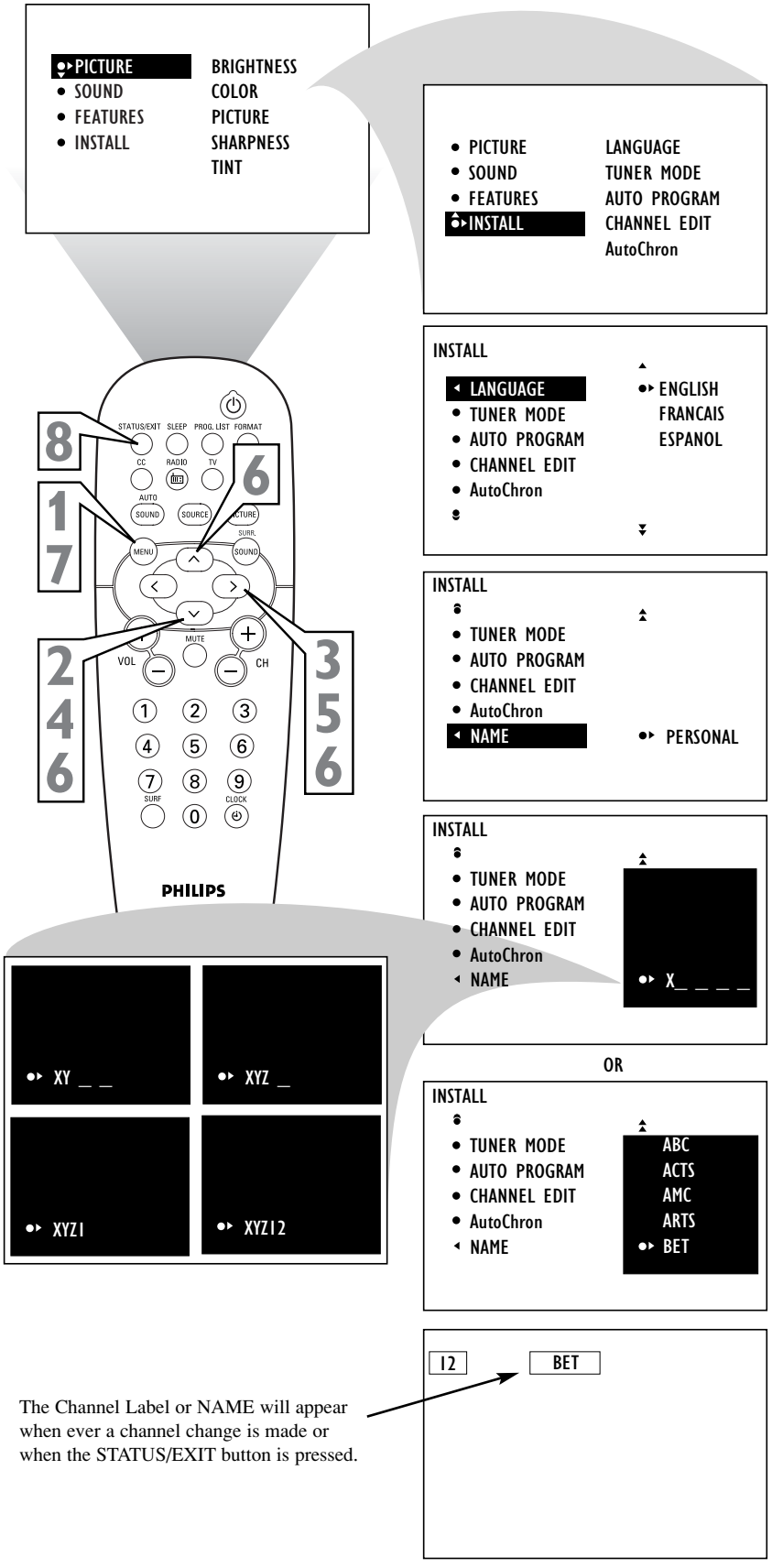
The channel NAME feature allows you to list the "call" letters of your favorite stations beside their channel numbers when they appear on the screen. The TV has in memory a list of the 50 most popular channel names (for example, ABC, NBC, FOX, etc.). You also can enter a custom name (up to five characters).

Tune to a specific channel that you want to add a label to, then;

1. **Press the MENU button** on the remote control to show the onscreen menu.
2. **Press the CURSOR DOWN button** repeatedly until INSTALL in highlighted.
3. **Press the CURSOR RIGHT button** to shift the menu to the left. LANGUAGE will be highlighted.
4. **Press the CURSOR DOWN button** repeatedly until the NAME control is highlighted.
5. **Press the CURSOR RIGHT button** to highlight the NAME options area.
6. **Press the CURSOR RIGHT button again**; then **press the CURSOR UP or CURSOR DOWN button** to scroll through a list of options for the first character (A through Z, 0 through 9). **Press the CURSOR RIGHT button** and repeat for the second, third, fourth, and fifth characters
7. After you have selected a name for the channel, **press the MENU button** to save the name in the TV's memory.
8. **Press the STATUS/EXIT button** to clear the menu from the screen.

Helpful Hint

The five characters that the channel NAME feature allows you to input can be letters, a dash character, or the numbers 0 through 9.



How to Use the Picture Adjustment Controls

To adjust your TV picture controls, select a channel and follow these steps.

1 **Press the MENU button** on the remote control to show the onscreen menu. PICTURE will be highlighted.

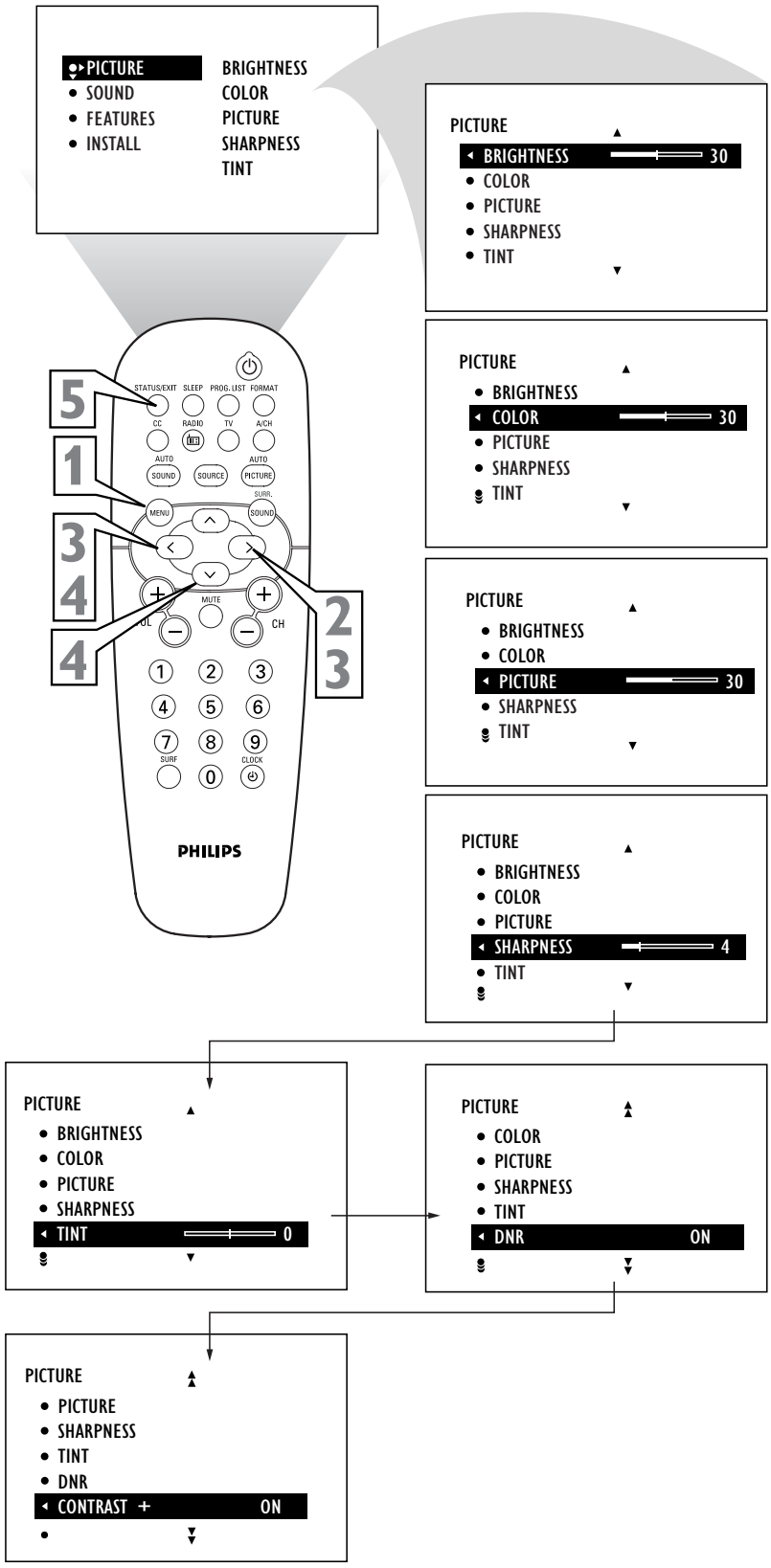
2 **Press the CURSOR RIGHT** and the menu will shift to the left. BRIGHTNESS will be highlighted and an adjustment bar will be shown to the right.

3 **Use the CURSOR LEFT or RIGHT** to adjust the BRIGHTNESS level of the picture.

4 After adjusting the BRIGHTNESS control, **press the CURSOR DOWN** to select another picture adjustment: COLOR, PICTURE, SHARPNESS, TINT, DNR, or CONTRAST +. **Press the CURSOR LEFT or RIGHT** to adjust the selected control.

NOTE: The menu will show only five items at a time, so you will need to continue scrolling with the CURSOR DOWN to adjust the TINT, DNR, or CONTRAST +.

5 **Press the STATUS/EXIT button** to remove the menu from the screen.



Helpful Hint

Remember, when the bar scale is centered , the control settings are at normal, mid-range levels. Picture adjustments are described here.

NOTE: The SHARPNESS and TINT Controls will not be available for adjustments when tuned to the CVI Inputs (CVI Channel).

BRIGHTNESS – adds or subtracts light from the darkest part of the picture.

COLOR – adds or eliminates color.

PICTURE – improves the detail of the lightest parts of the picture.

SHARPNESS – improves the detail in the picture.

TINT – adjusts the picture to obtain natural skin tones.

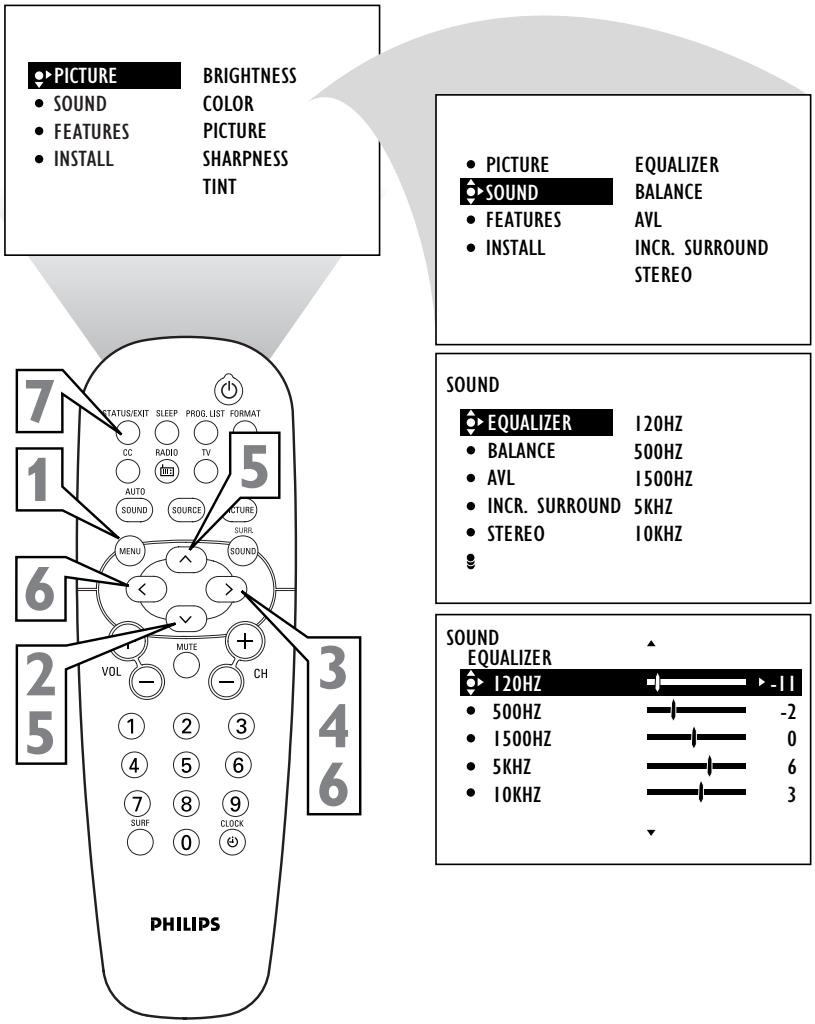
DNR – can help eliminate slightly "speckled" picture (an indication of signal noise in the picture).

CONTRAST + – helps to "sharpen" the picture quality. The black portions of the picture become richer in darkness and the whites become brighter.

How to Use the Equalizer Controls

The Equalizer Controls allow you to adjust the sound frequencies to suit the type of programming be watched.

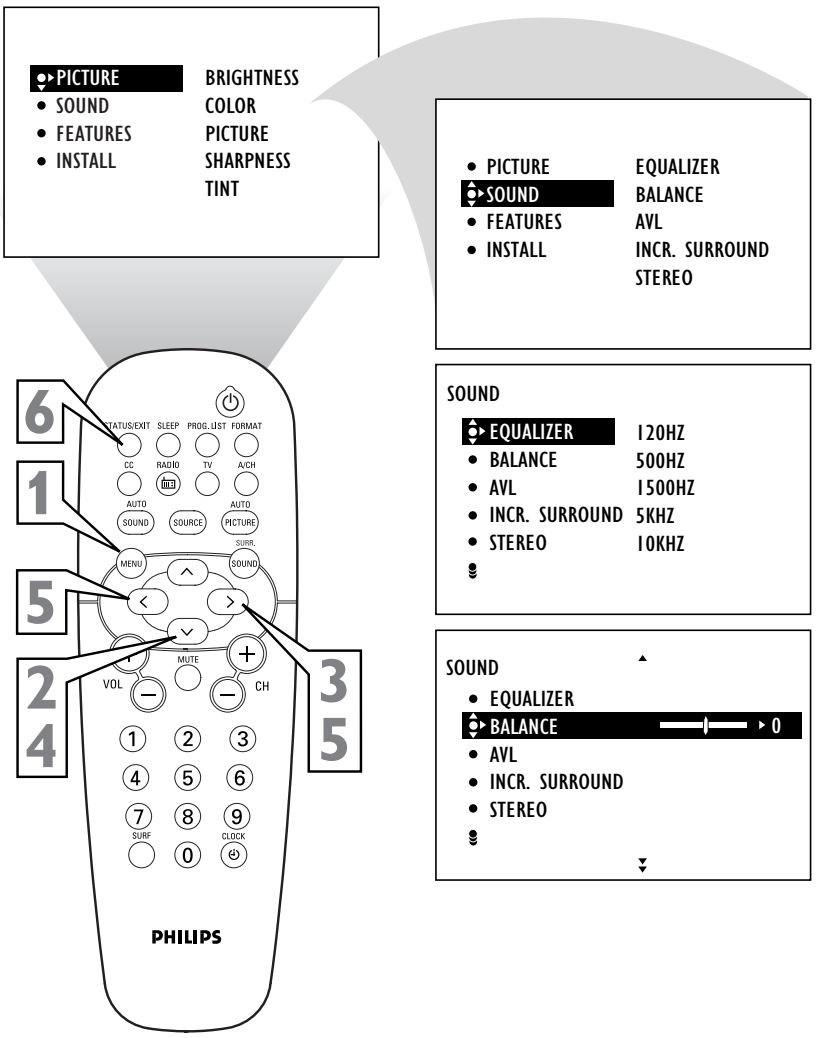
1. **Press the MENU button** on the remote control to show the onscreen menu.
2. **Press the CURSOR DOWN button** repeatedly until SOUND in highlighted.
3. **Press the CURSOR RIGHT button** to shift the menu to the left. EQUALIZER will be highlighted.
4. **Press the CURSOR RIGHT button** to highlight the EQUALIZER options area.
5. **Press the CURSOR UP or DOWN buttons** to highlight any of the frequency options.
6. **Press the CURSOR RIGHT or LEFT buttons** to adjust the control slider to the level desired.
7. Once all the Equalizer controls have been set, **press the STATUS/EXIT button** to clear the menu from the screen.



How to Use the Balance Control

The Balance Control will allow you to adjust the sound levels between the right and left speaker output.

1. **Press the MENU button** on the remote control to show the onscreen menu. PICTURE will be highlighted.
2. **Press the CURSOR DOWN button** repeatedly until SOUND in highlighted.
3. **Press the CURSOR RIGHT button** to shift the menu to the left. EQUALIZER will be highlighted.
4. **Press the CURSOR DOWN** to highlight the BALANCE control.
5. **Press CURSOR RIGHT or LEFT buttons** to adjust the sound between the right and left speakers.
6. **Press the STATUS/EXIT button** to remove the menu from the screen.



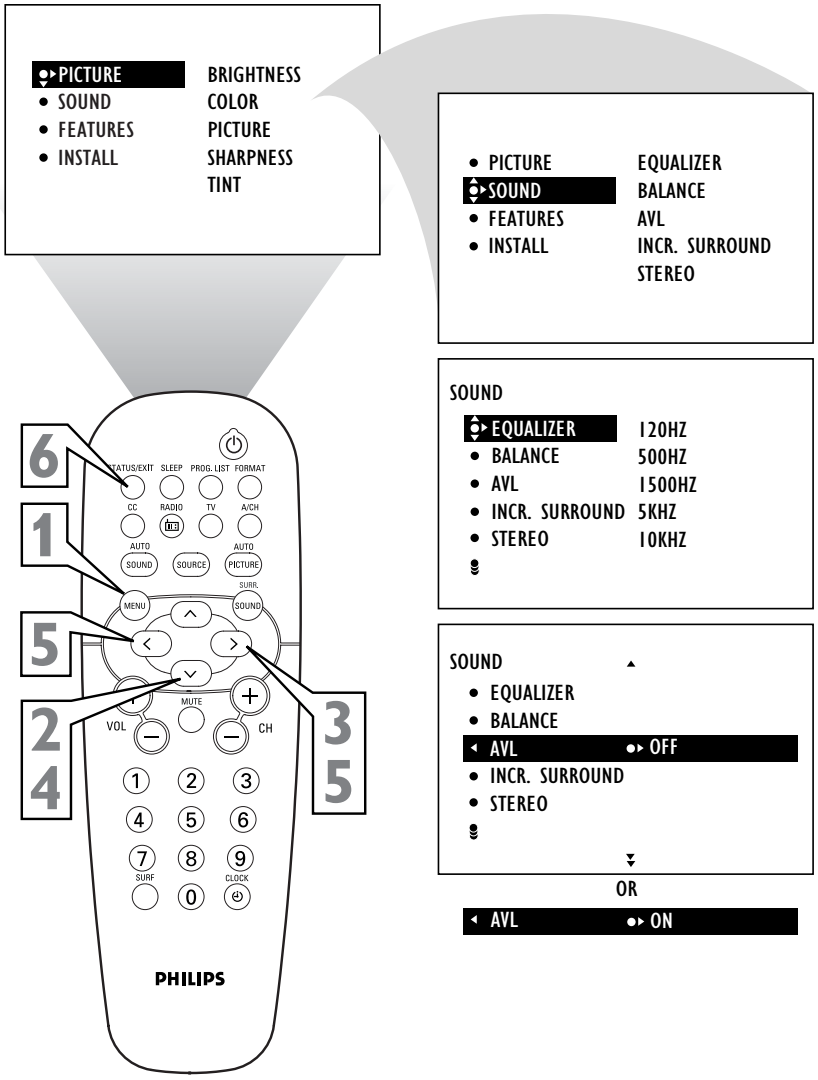
Helpful Hint

When the Balance Control slider is at a setting of "0", both left and right speakers should have equal sound level between them.

How to Use the AVL Control

In most cases, the volume levels coming from broadcast programming or commercials are never the same. With the AVL (Audio Volume Leveler) control turned ON, you can have the TV level out sound that is being heard. This makes for a more consistent sound by reducing the peaks and valleys that occur during program changes or commercial breaks. To turn the AVL ON, follow these steps.

1. **Press the MENU button** on the remote control to show the onscreen menu.
2. **Press the CURSOR DOWN** to highlight SOUND.
3. **Press the CURSOR RIGHT** and the menu will shift to the left. EQUALIZER will be highlighted and an adjustment bar will be shown to the right.
4. **Press the CURSOR DOWN** repeatedly until AVL is highlighted.
5. **Press the CURSOR RIGHT or LEFT** to toggle AVL ON or OFF.
6. **Press the STATUS/EXIT button** to remove the menu from the screen.



How to Use the Incredible Surround Control

The Incredible Surround feature adds greater depth and dimension to both monaural (MONO) and stereo TV sound. With the control set to INCR. SURROUND (Incredible Surround), the TV's speakers can add even wider sound separation to normal broadcasts.

1 **Press the MENU button** on the remote control to show the onscreen menu.

2 **Press the CURSOR DOWN** to highlight SOUND.

3 **Press the CURSOR RIGHT** and the menu will shift to the left. EQUALIZER will be highlighted and an adjustment bar will be shown to the right.

4 **Press the CURSOR DOWN** repeatedly until INCR. SURROUND is highlighted. (Incredible Surround)

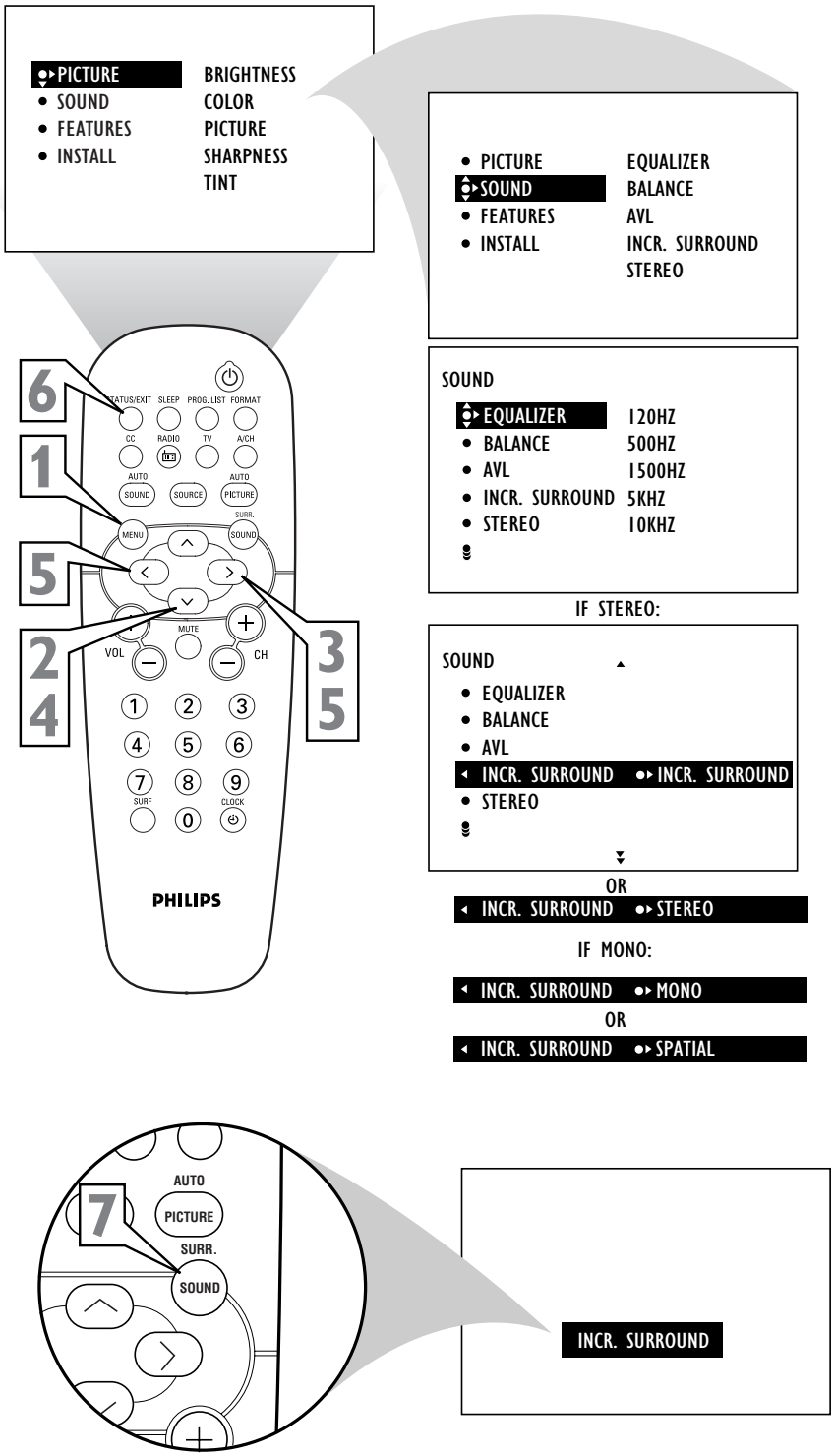
5 **Press the CURSOR RIGHT or LEFT** to toggle the INCR. SURROUND control settings.

If signal is Stereo: Select STEREO, or INCR. SURROUND.

If signal is MONO: Select MONO, or SPATIAL.

6 **Press the STATUS/EXIT button** to remove the menu from the screen.

7 You can also change the INCR. SURROUND onscreen menu control settings by **pressing the SURR. (surround) SOUND button** on the remote control.



Helpful Hint

SPATIAL – widens the sound, simulating a broader, fuller sound.

INCR. SURROUND – widens the sound, simulating a broader, fuller sound.

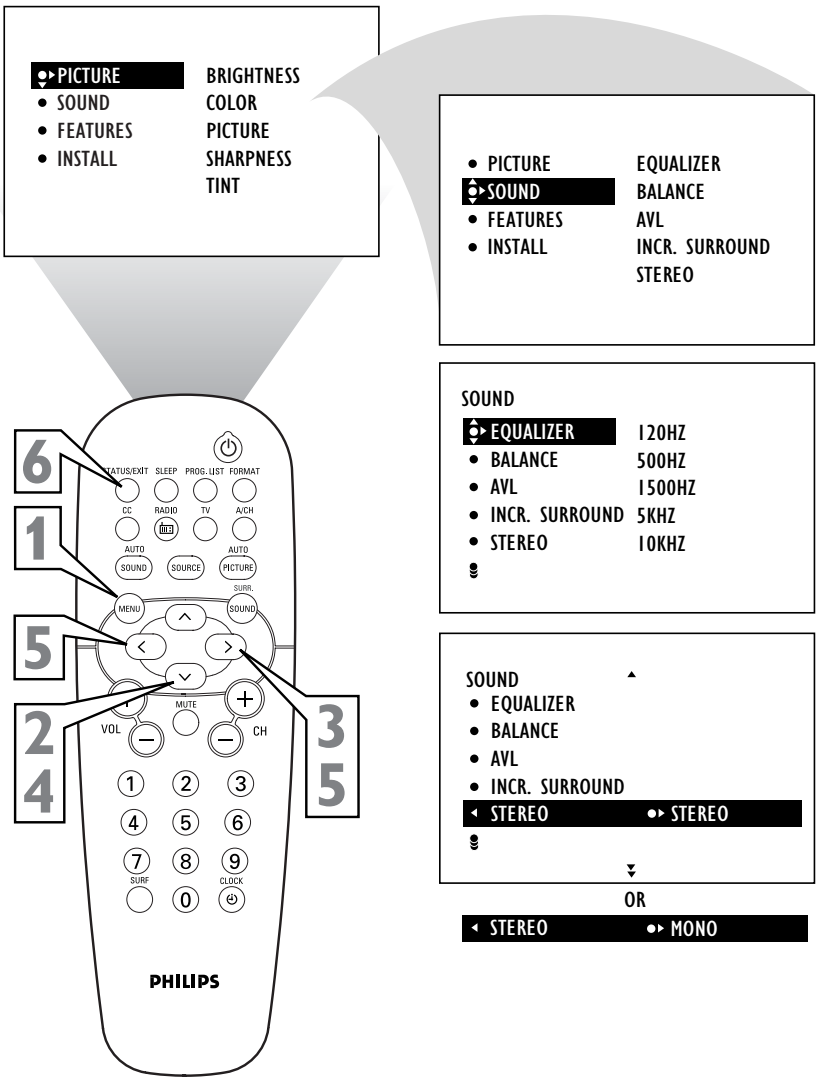
How to Set the TV to Receive Stereo Programming

You can receive broadcast stereo TV programs. The TV has both an amplifier and twin speakers through which the stereo sound can be heard.

1. **Press the MENU button** on the remote control to show the onscreen menu.
2. **Press the CURSOR DOWN** to highlight SOUND.
3. **Press the CURSOR RIGHT** and the menu will shift to the left. EQUALIZER will be highlighted and an adjustment bar will be shown to the right.
4. **Press the CURSOR DOWN** repeatedly until STEREO is highlighted.
5. **Press the CURSOR RIGHT or LEFT** to toggle the STEREO control to Stereo or Mono.
6. **Press the STATUS/EXIT button** to remove the menu from the screen.

Helpful Hint

Remember, if stereo is not present on a selected show and the TV is placed in the STEREO mode, the sound coming from the set will remain monaural.



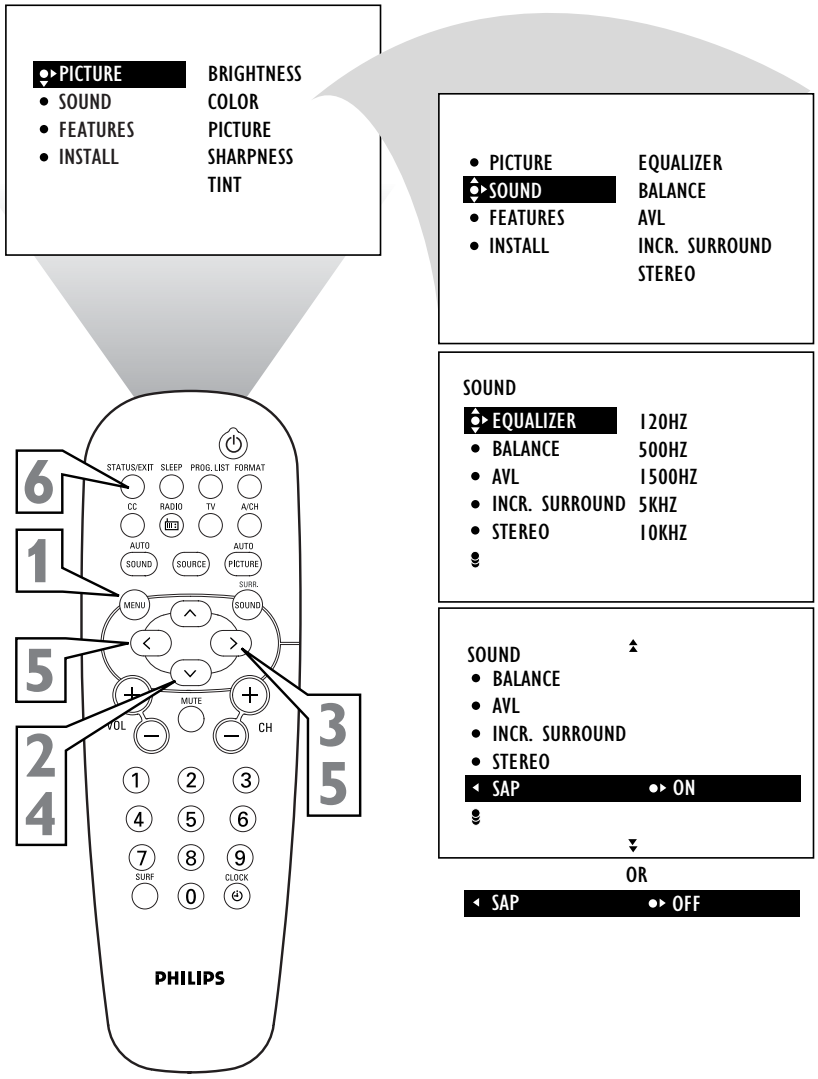
How to Set the TV to Receive SAP (Secondary Audio Programming)

SAP is an additional part of the stereo broadcast system. Sent as a third audio channel, an SAP can be heard apart from the current TV program sound. TV stations are free to use SAP for any number of purposes.

1. **Press the MENU button** on the remote control to show the onscreen menu.
2. **Press the CURSOR DOWN** to highlight SOUND.
3. **Press the CURSOR RIGHT** and the menu will shift to the left. EQUALIZER will be highlighted and an adjustment bar will be shown to the right.
4. **Press the CURSOR DOWN** repeatedly until SAP is highlighted.
5. **Press the CURSOR RIGHT or LEFT** to toggle the SAP control to On or Off.

Note: If SAP is not broadcasted on the selected program your watching, NOT AVAILABLE will appear in the onscreen menu option.

6. **Press the STATUS/EXIT button** to remove the menu from the screen.



Helpful Hint

If an SAP signal is not present with a selected program, the SAP option cannot be selected. Also, if SAP is selected on a channel (with SAP) and you select another channel, when you return to the original channel, SAP will be OFF. You will have to reselect the SAP feature.

How to Use the Timer Controls

Your television comes with an on-screen clock. The TV also can be set to turn on or off at a specific time and tune to a specific channel when it powers its self on.

1 **Press the CLOCK button** on the remote control to show the TIMER onscreen menu.

2 **Press the CURSOR RIGHT button** and the TIMER options will shift to the left. TIME will be highlighted.

3 **Press the CURSOR UP or DOWN buttons** repeatedly to highlight one of the TIMER controls. These controls are the TIME, START TIME, STOP TIME, CHANNEL, ACTIVATE, or DISPLAY.

4 **Press the CURSOR RIGHT or LEFT button** to make adjustments or set the control options.

TIME: Enter the current time with the numbered buttons. Use the Cursor Right button to move to the AM/PM area and use the Cursor Left and Right buttons to toggle AM or PM.

START TIME: Use the Numbered buttons to enter a start-up time for the TV to turn on or tune a specific channel.

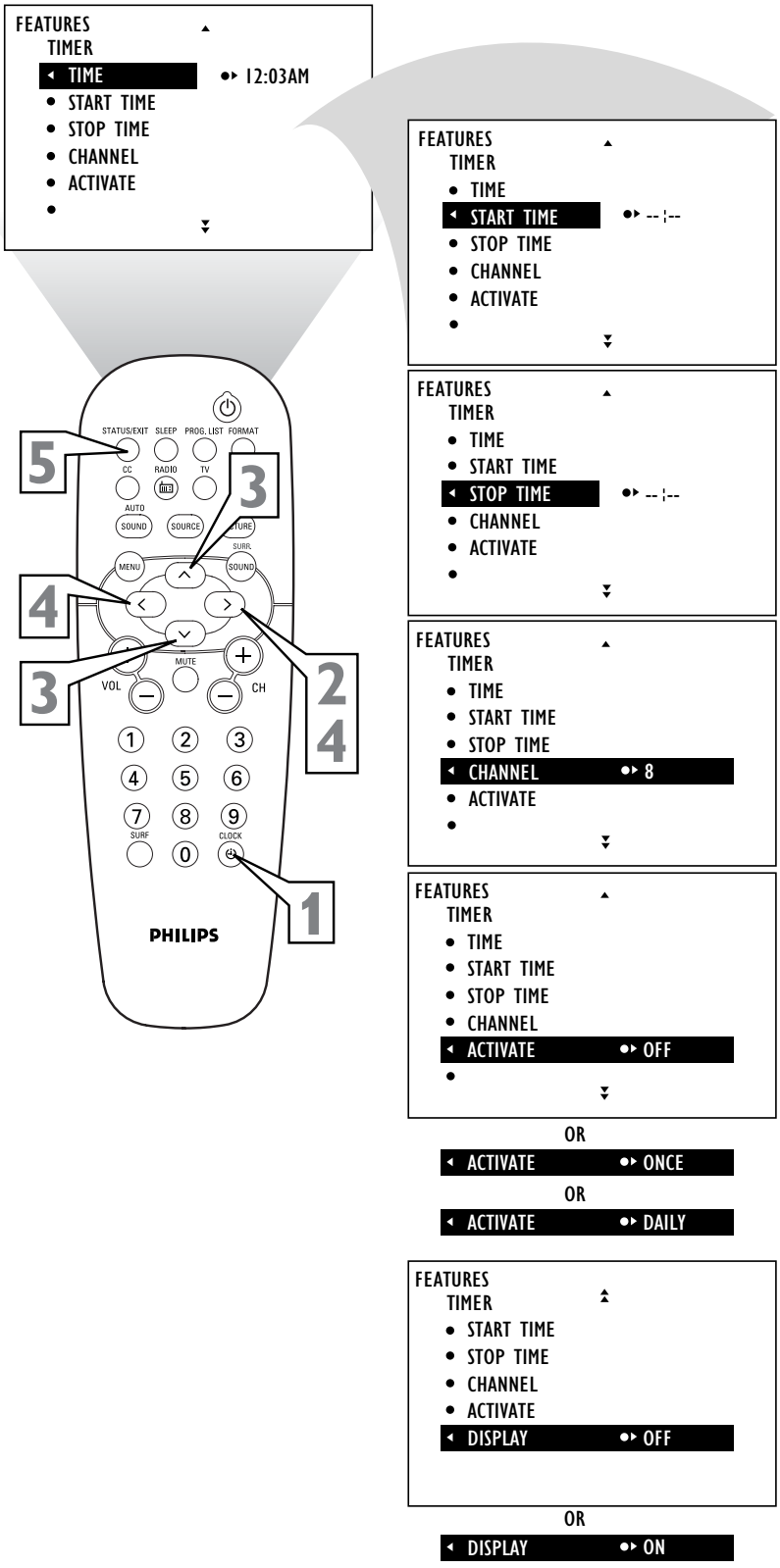
STOP TIME: Use the Numbered buttons to enter a time for the TV to shut itself off.

CHANNEL: Use the Numbered buttons or the CH + or – buttons to select a specific channel for the TV to tune to at the specific Start Time.

ACTIVATE: Set the Timer to preform it's function ONCE or DAILY.

DISPLAY: Set to ON or OFF. When ON, the time will be displayed ALL the time the TV is ON. When OFF, the time will only appear when the STATUS/EXIT button is pressed.

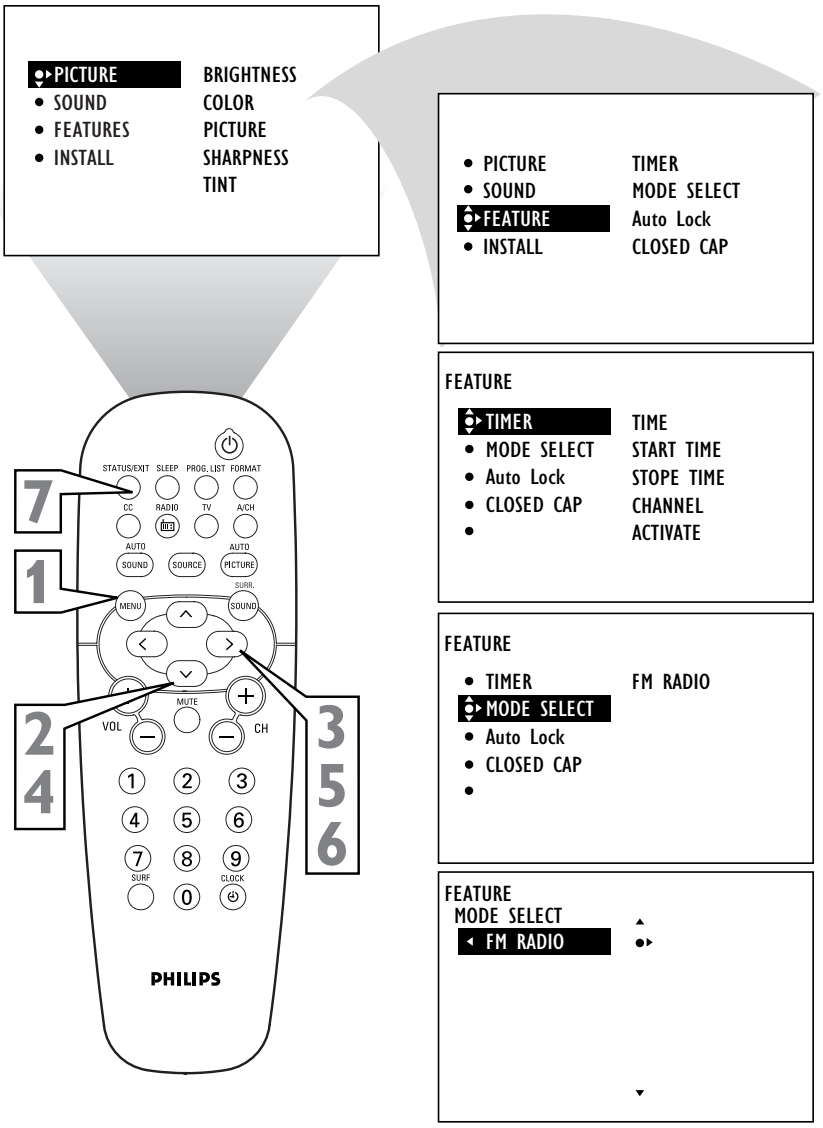
5 **Press the STATUS/EXIT button** to remove the menu from the screen.



How to Use the Mode Select Control

The Mode Select Control will allow you to use set the TV into the TV, or FM Radio Modes. Depending on how the TV will be used, these modes may have their own onscreen menus controls to optimize there use.

1. **Press the MENU button** on the remote control to show the onscreen menu.
2. **Press the CURSOR DOWN** to highlight FEATURES.
3. **Press the CURSOR RIGHT** and the menu will shift to the left. TIMER will be highlighted.
4. **Press the CURSOR DOWN** repeatedly until MODE SELECT is highlighted.
5. **Press the CURSOR RIGHT button** to shift the menu to the left. FM RADIO will be highlighted.
6. **Press the CURSOR RIGHT button** to activate the FM Radio mode.
7. **Press the STATUS/EXIT button** to remove the menu from the screen.



UNDERSTANDING THE AUTOLOCK™ CONTROLS

The AutoLock™ feature receives and processes data sent by broadcasters or other program providers that contain program content advisories. When programmed by the viewer, a TV with AutoLock™ can respond to the content advisories and block program content that may be found objectionable (such as offensive language, violence, sexual situations, etc.). This is a great feature to censor the type of programming children may watch.

In the AutoLock™ section, you'll learn how to block channels and programming that is not rated, is unrated, or has no rating. You will also find out how to turn these blocking features ON or OFF. Following are brief explanations of some terms and ratings related to the AutoLock™ feature.

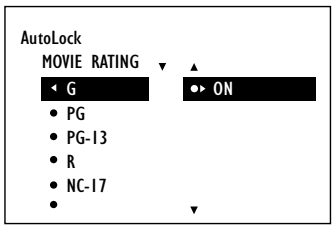
AutoLock™ offers various Blocking Options from which to choose:

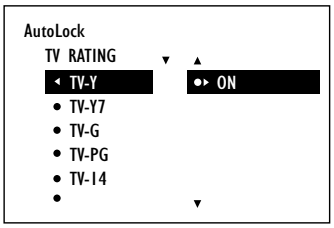
BLOCKING: The BLOCKING control is what can be thought of as the "master switch" for AutoLock™. This control affects the settings you have chosen for blocking programs according to movie ratings or TV ratings, or for blocking programs that have no rating or are unrated. When the BLOCKING control is OFF, the blocking or censoring of programs is disabled. When the BLOCKING control is ON, blocking will occur according to the settings you have chosen.

NO RATING: ALL programming with no content advisory data can be blocked if NO RATING is set to ON.

Programming that has No Rating is not encoded with any rating information from the MPAA or the Parental Guidelines. Any programming could fall into this category.

You also can block individual channels or block programming based on ratings of the MPAA and TV broadcasters. (See a description of the ratings on this page.)





MOVIE RATINGS
(MOTION PICTURE ASSOCIATION OF AMERICA)

G: General Audience - All ages admitted. Most parents would find this programming suitable for all ages. This type of programming contains little or no violence, no strong language, and little or no sexual dialogue or sexual situations.

PG: Parental Guidance Suggested - This programming contains material that parents may find unsuitable for younger children. It may contain one or more of the following: Moderate violence, some sexual situations, infrequent coarse language, or some suggestive dialogue.

PG-13: Parents Strongly Cautioned - This programming contains material that parents may find unsuitable for children under the age of 13. It contains one or more of the following: violence, sexual situations, coarse language, or suggestive dialogue.

R: Restricted -This programming is specifically designed for adults. Anyone under the age of 17 should view this programming only with an accompanying parent or adult guardian. It contains one or more of the following: intense violence; intense sexual situations; strong, coarse language; or intensely suggestive dialogue.

NC-17: No one under the age of 17 will be admitted. - This type of programming should be viewed by adults only. It contains graphic violence; explicit sex; or crude, indecent language.

X: Adults Only - This type of programming contains one or more of the following: very graphic violence, very graphic and explicit or indecent sexual acts, very coarse and intensely suggestive language.

TV PARENTAL GUIDELINES
(TV BROADCASTERS)

TV Y ***TV-Y*****:** (**All children** -- *This program is designed to be appropriate for all children.*) Designed for a very young audience, including children ages 2-6. This type of programming is not expected to frighten younger children.

TV Y7 ***TV-Y7***: (**Directed to Older Children** -- *This program is designed for children ages 7 and above.*) It may be more appropriate for children who have acquired the development skills needed to distinguish between make-believe and reality. This programming may include mild fantasy and comic violence (FV).

TV G ***TV-G*****:** (**General Audience** -- *Most parents would find this program suitable for all ages.*) This type of programming contains little or no violence, no strong language, and little or no sexual dialogue or sexual situations.

TV PG ***TV-PG***: (**Parental Guidance Suggested** -- *This program contains material that parents may find unsuitable for younger children.*) This type of programming contains one or more of the following: Moderate violence (V), some sexual situations (S), infrequent coarse language (L), or some suggestive dialogue (D).

TV 14 ***TV-14***: (**Parents Strongly Cautioned** - - *This program contains some material that many parents would find unsuitable for children under 14 years of age.*) This type of programming contains one or more of the following: intense violence (V); intense sexual situations (S); strong, coarse language (L); or intensely suggestive dialogue (D).

TV MA ***TV-MA***: (**Mature Audience Only** -- *This program is specifically designed to be viewed by adults and therefore may be unsuitable for children under 17.*) This type of programming contains one or more of the following: graphic violence (V); explicit sexual situations (S); or crude, indecent language (L).

SETTING UP THE AUTOLOCK™ ACCESS CODE

AutoLock™ allows parents to block out or "censor" any channels they think children should not watch. A channel blocked by the AutoLock™ control cannot be viewed until a correct access code is used to unlock the channel for viewing. First, let's set your AutoLock access code.

1 **Press the MENU button** on the remote control to show the onscreen menu.

2 **Press the CURSOR DOWN button** to highlight FEATURES.

3 **Press the CURSOR RIGHT button** and the menu will shift to the left. TIMER will be highlighted.

4 **Press the CURSOR DOWN button** repeatedly until AutoLock is highlighted.

5 **Press the CURSOR RIGHT button** to highlight **ACCESS CODE.**

6 **Press 0,7,1,1** on the remote control. *INCORRECT* will appear on the screen.

7 **Press 0,7,1,1** on the remote control again. ENTER NEW CODE will appear on the screen.

8 **Enter a new four-digit code** using the number buttons. CONFIRM CODE will appear on the screen.

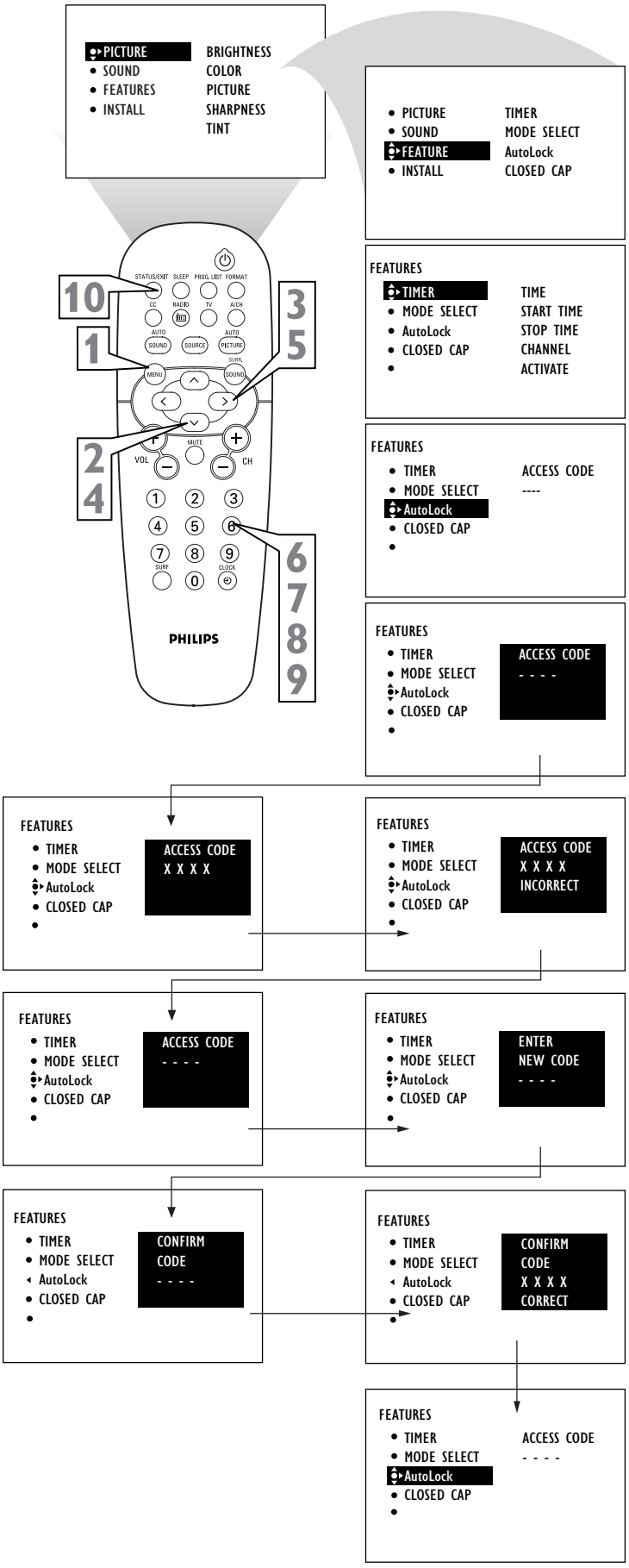
9 **Enter your new four-digit code** again. *CORRECT* will flash on the screen briefly and the highlight bar goes back to AutoLock.

10 **Press the STATUS/EXIT button** to remove the menu from the screen.

HELPFUL HINT

Remember that 0711 is the default AutoLock™ code. If your access code has been changed by someone other than you (a child, for example) or you have forgotten the code, you can always get in by inputting the default code.

NOTE TO PARENTS: It isn't possible for your child to unblock a channel without knowing your access code or changing it to a new one. If your code has been changed without your knowledge, then you will become aware that blocked channels may have been viewed.



How to Block Channels Using AutoLock™

After your personal access code has been set (see the previous page), you are ready to select the channels or inputs you want to block out or censor.

1 **Press the MENU button** on the remote control to show the onscreen menu.

2 **Press the CURSOR DOWN button** to highlight FEATURES.

3 **Press the CURSOR RIGHT button** and the menu will shift to the left. TIMER will be highlighted.

4 **Press the CURSOR DOWN button** repeatedly until AutoLock is highlighted.

5 **Press the CURSOR RIGHT button** to highlight **ACCESS CODE.**

6 **Enter your four-digit ACCESS CODE.** *CORRECT* will flash very briefly and the menu will move to the left with BLOCK CHANNEL highlighted.

7 **Press the CURSOR RIGHT button** to highlight the TV's available channels.

8 **Press the CURSOR UP or DOWN button** to highlight the channel you want to block.

9 **Press the CURSOR RIGHT button** to block the channel. A padlock image appears to the right of the channel number.

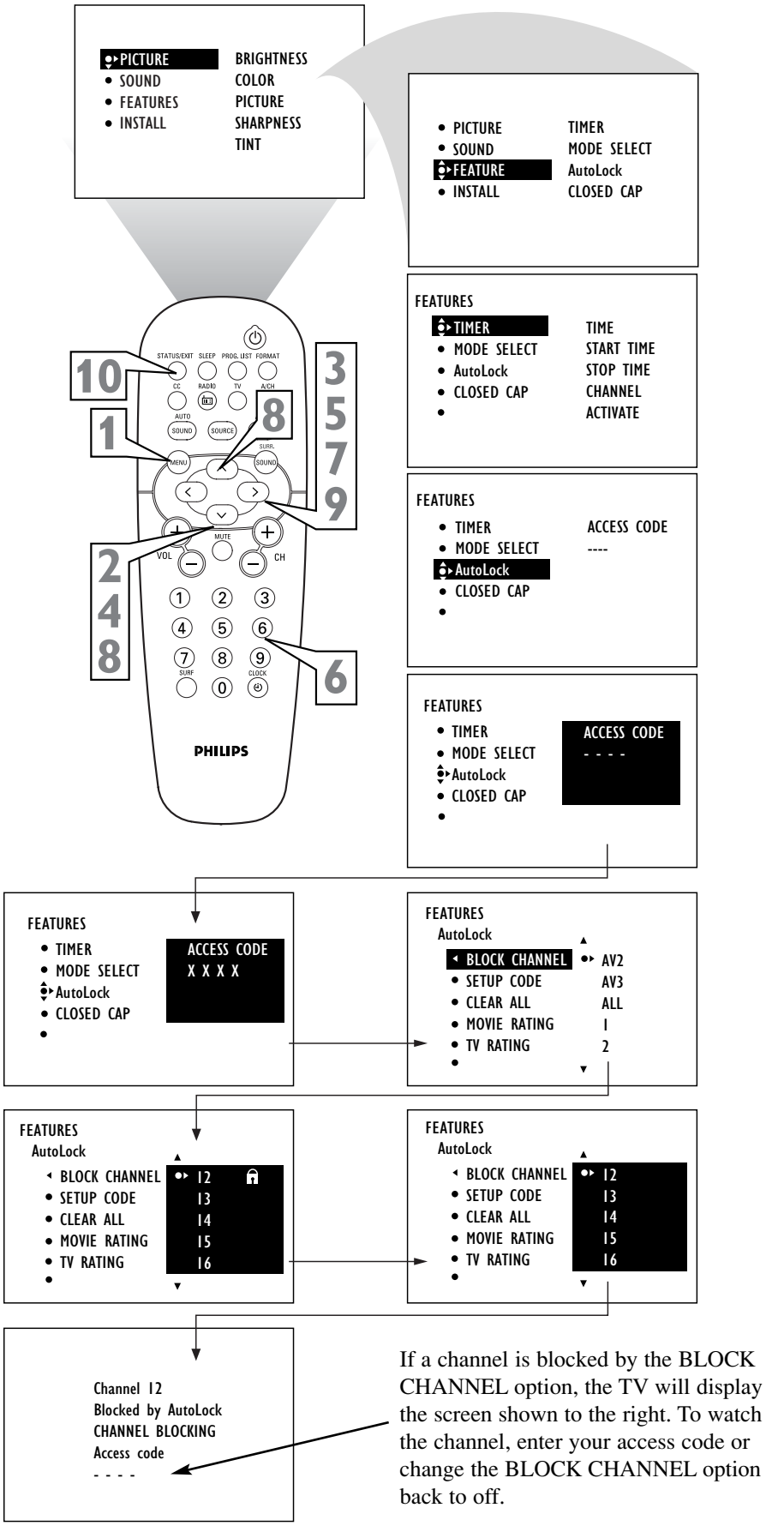
Repeat steps 7 and 8 for any channels you want to block from viewing.

10 **Press the STATUS/EXIT button** to remove the menu from the screen.

Helpful Hint

Remember that 0711 is the default AutoLock™ code. If your access code has been changed by someone other than you (a child, for example) or you have forgotten the code, you can always get in by inputting the default code.

NOTE: You also can block out the use of the A/V external inputs on the rear of the TV. This stops the viewing of VCR, DVD, and other sources that can be shown through the A/V input jacks.



If a channel is blocked by the BLOCK CHANNEL option, the TV will display the screen shown to the right. To watch the channel, enter your access code or change the BLOCK CHANNEL option back to off.

How to Clear All Blocked Channels at the Same Time

Various onscreen messages will appear when someone tries to view blocked programming. The message is determined by how the current programming is blocked. You may view the blocked programming and turn OFF the AutoLock™ feature by using the Clear All control or by entering your access code

1 **Press the MENU button** on the remote control to show the onscreen menu.

2 **Press the CURSOR DOWN button** to highlight FEATURES.

3 **Press the CURSOR RIGHT button** and the menu will shift to the left. TIMER will be highlighted.

4 **Press the CURSOR DOWN button** repeatedly until AutoLock is highlighted.

5 **Press the CURSOR RIGHT button** to highlight **ACCESS CODE.**

6 **Enter your four-digit ACCESS CODE** and the menu will move to the left with BLOCK CHANNEL highlighted.

7 **Press the CURSOR DOWN button** until CLEAR ALL is highlighted.

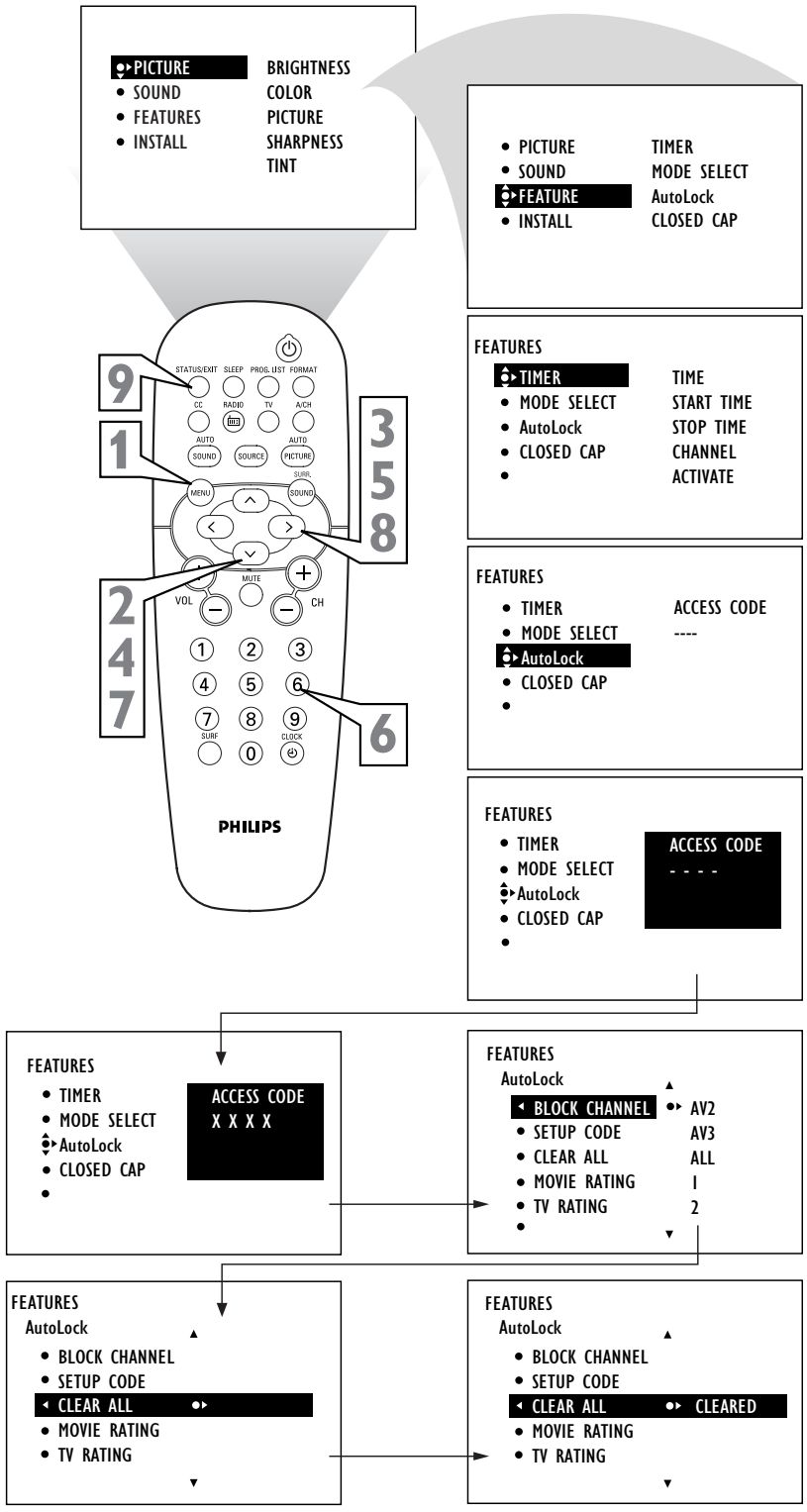
8 **Press the CURSOR RIGHT** twice. The CLEAR ALL option will display the word *CLEARED*. All blocked channels and programming are now viewable.

9 **Press the STATUS/EXIT button** to remove the menu from the screen.

Helpful Hint

If you tune to a specific channel that has been blocked by BLOCK CHANNEL or any of the AutoLock™ RATING options, simply enter your four-digit access code to view the channel.

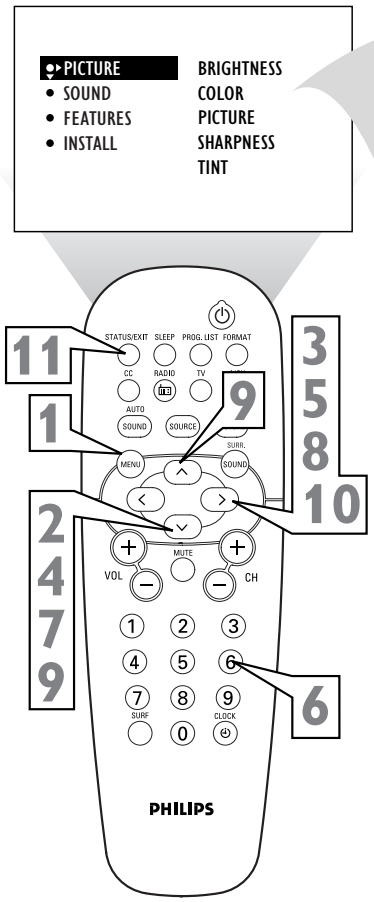
NOTE: This will unblock ALL channels until the TV is shut OFF. When powered back ON, all previously blocked channels will be blocked again.

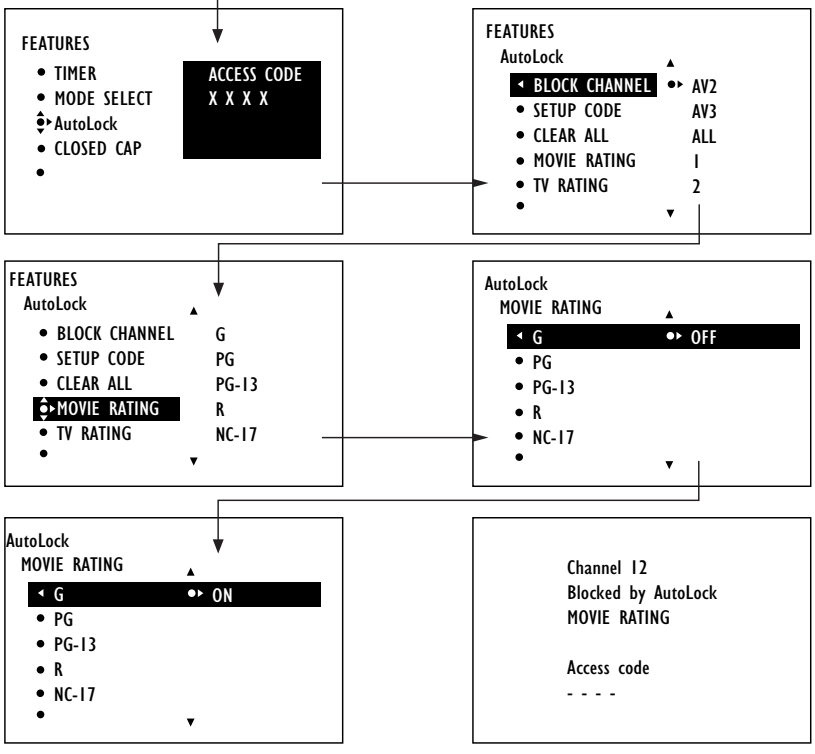


BLOCKING PROGRAMS BASED ON MOVIE RATINGS

After your personal access code has been set, you can select specific movie ratings that you want to censor.

1. **Press the MENU button** on the remote control to show the onscreen menu.
2. **Press the CURSOR DOWN button** to highlight FEATURES.
3. **Press the CURSOR RIGHT button** and the menu will shift to the left. TIMER will be highlighted.
4. **Press the CURSOR DOWN button** repeatedly until AutoLock is highlighted.
5. **Press the CURSOR RIGHT button** to highlight **ACCESS CODE.**
6. **Enter your four-digit ACCESS CODE.** *CORRECT* will flash very briefly and the menu will move to the left with BLOCK CHANNEL highlighted.
7. **Press the CURSOR DOWN** repeatedly until MOVIE RATING is highlighted.
8. **Press the CURSOR RIGHT** and the Rating menu shifts to the left with *G* highlighted.
9. **Press the CURSOR UP or DOWN** to highlight each rating you want.
10. **Press the CURSOR RIGHT** to turn the rating ON or OFF. Turning the rating ON will block programs with that rating from being seen.
11. **Press the STATUS/EXIT button** to remove the menu from the screen.





HELPFUL HINT

When a rating is turned ON, all higher ratings also will be turned on automatically. For example, if the *R* rating is turned on, the *NC-17* and *X* ratings also will be turned on.

All Movie Ratings can be turned ON or OFF.

Refer to page 21 for Movie Rating definitions.

BLOCKING PROGRAMS BASED ON TV RATINGS

You can select specific TV ratings that you want to censor by following these steps.

1. **Press the MENU button** on the remote control to show the onscreen menu.
2. **Press the CURSOR DOWN button** to highlight FEATURES.
3. **Press the CURSOR RIGHT button** and the menu will shift to the left. TIMER will be highlighted.
4. **Press the CURSOR DOWN button** repeatedly until AutoLock is highlighted.
5. **Press the CURSOR RIGHT button** to highlight **ACCESS CODE.**
6. **Enter your four-digit ACCESS CODE.** *CORRECT* will flash very briefly and the menu will move to the left with BLOCK CHANNEL highlighted.
7. **Press the CURSOR DOWN** repeatedly until TV RATING is highlighted.
8. **Press the CURSOR RIGHT** and the menu will shift to highlight the TV RATING options.
9. **Press the CURSOR UP or DOWN** to select a rating.
10. **Press the CURSOR RIGHT** to turn the block on the rating ON or OFF.

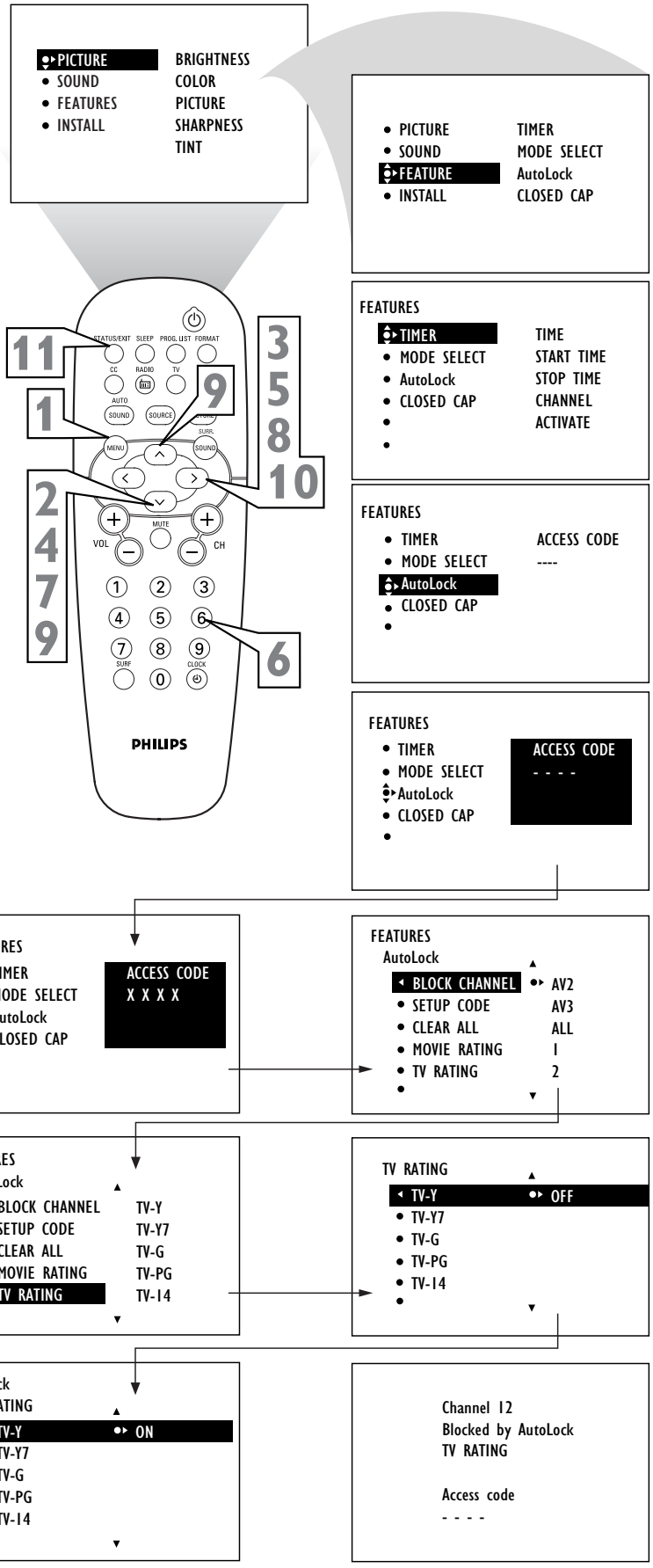
NOTE: More specific subratings (for violence, sexual content, dialogue, or fantasy violence) are available for TV-Y7, TV-PG, TV-14, and TV-MA. (Refer to page 23 for definitions.)

To access these subratings, with the main rating selected, **press the CURSOR RIGHT.** Then, repeat steps 9 and 10 to turn the sub-ratings ON or OFF.

11. **Press the STATUS/EXIT button** to remove the menu from the screen.

HELPFUL HINT

When a rating is turned ON, all higher ratings also will be turned on automatically. For example, if the *R* rating is turned on, the *NC-17* and *X* ratings also will be turned on.



OTHER AUTOLOCK™ BLOCKING OPTIONS

The BLOCKING control is what can be thought of as the "master switch" for AutoLock™. This control affects the settings you have chosen for blocking programs according to movie ratings or TV ratings, or for blocking programs that have no rating. When the BLOCKING control is OFF, the blocking or censoring of programs is disabled. When the BLOCKING control is ON, blocking will occur according to the settings you have chosen. Follow these steps to toggle BLOCKING OFF or ON.

1 **Press the MENU button** on the remote control to show the onscreen menu.

2 **Press the CURSOR DOWN button** to highlight FEATURES.

3 **Press the CURSOR RIGHT button** and the menu will shift to the left. TIMER will be highlighted.

4 **Press the CURSOR DOWN button** repeatedly until AutoLock is highlighted.

5 **Press the CURSOR RIGHT button** to highlight **ACCESS CODE.**

6 **Enter your four-digit ACCESS CODE.** *CORRECT* will flash very briefly and the menu will move to the left with BLOCK CHANNEL highlighted.

7 **Press the CURSOR DOWN** repeatedly until BLOCK OPTIONS is highlighted.

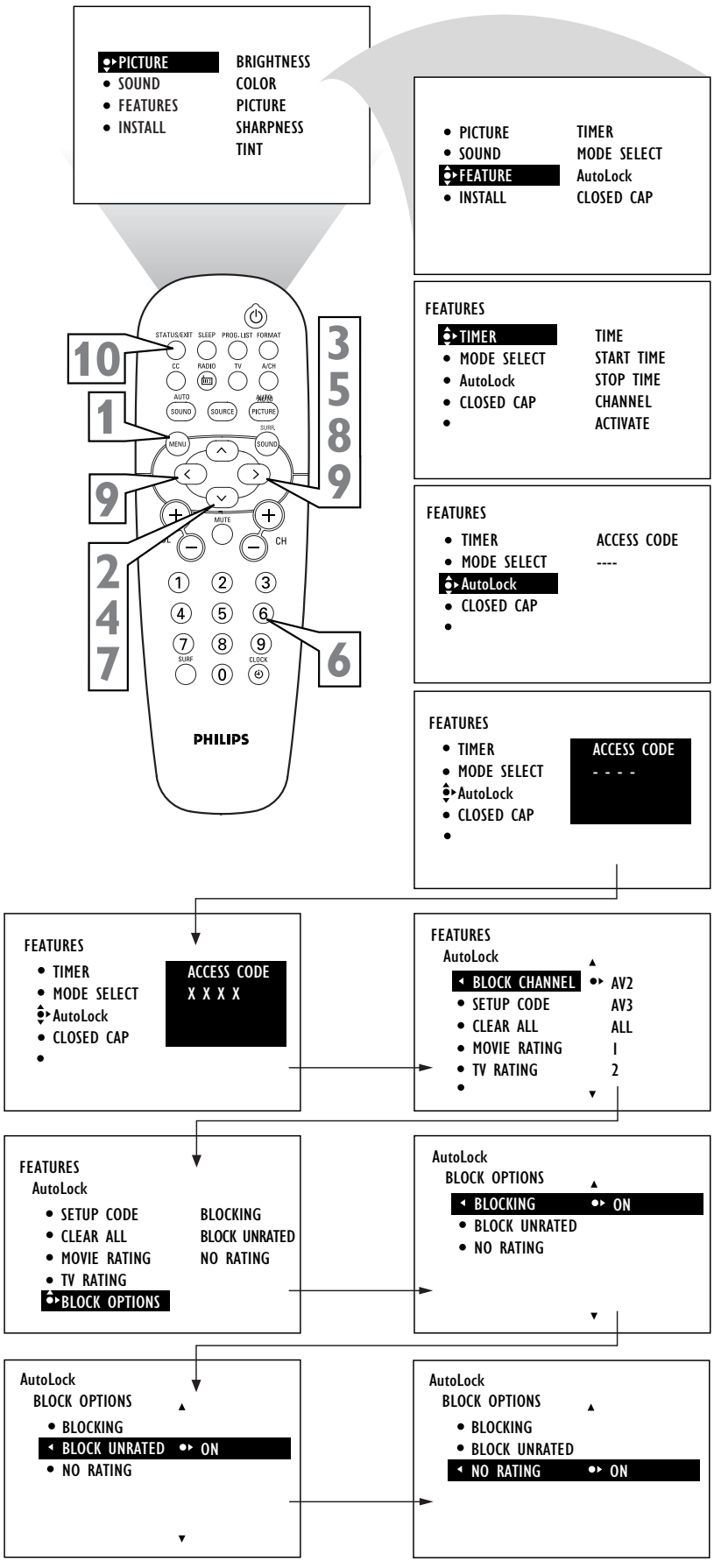
8 **Press the CURSOR RIGHT** to enter the BLOCK OPTIONS menu. BLOCKING will be highlighted. Or choose BLOCK UNRAED or NO RATING.

9 **Press the CURSOR RIGHT or LEFT** to toggle BLOCKING (BLOCK UNRATED or NO RATING) ON or OFF.

10 **Press the STATUS/EXIT button** to remove the menu from the screen.

HELPFUL HINT

Remember, when the BLOCKING control is OFF, the blocking or censoring of programs is disabled. When the BLOCKING control is ON, blocking will occur according to the settings you have chosen.



USING THE AUTOLOCK™ REVIEW SCREEN

To remind you which ratings you have blocked and which Block Options you have selected, a review screen is available to review your AutoLock™ settings. To access this screen follow the steps below.

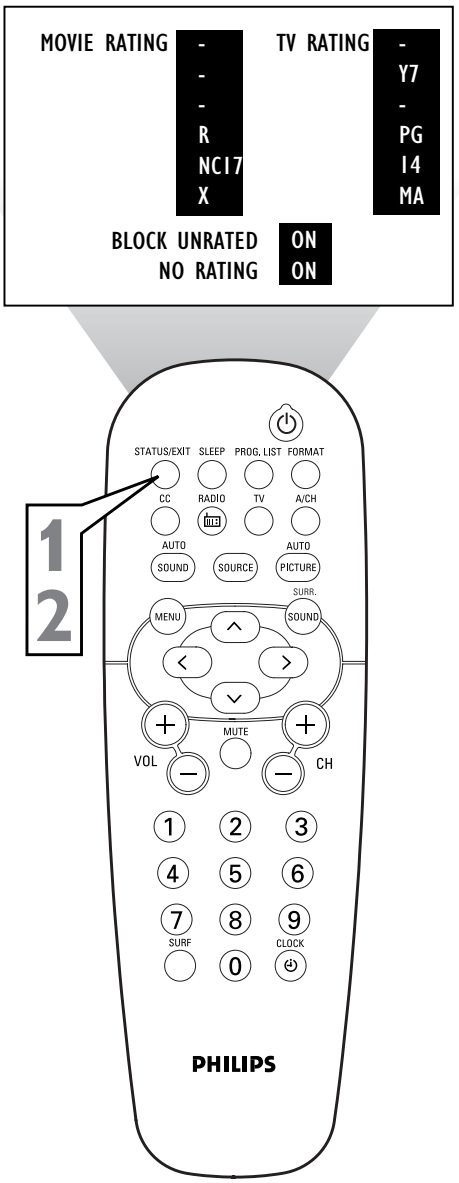
1 **Press the STATUS/EXIT button** on your remote control **TWICE**. Your AutoLock™ settings will appear on the screen.

NOTE: If you have blocked specific subratings, such as *V* for Violence in the TV-PG category, these blocked subratings will not appear in the review. The subratings however, are still blocked according to your selections.

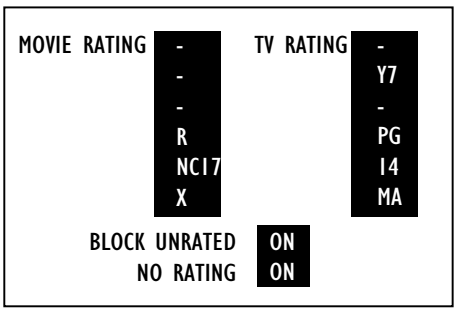
2 After a few seconds, the settings will leave the screen automatically, or you can **press the STATUS/EXIT button** a third time to remove them from the screen.

HELPFUL HINT

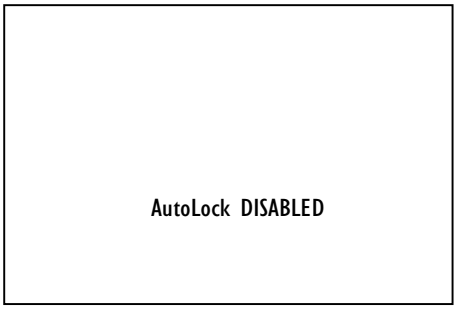
The AutoLock™ Status screen will only appear if the BLOCKING option is set to ON. For details, see previous page for details.



This display will appear after the step 1 above is completed if the AutoLock™ BLOCKING option is set to ON.



This display will appear after the step 1 above is completed if the AutoLock™ BLOCKING option is set to OFF.



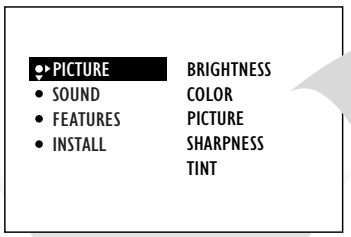
How to Use the Closed Captioning Controls

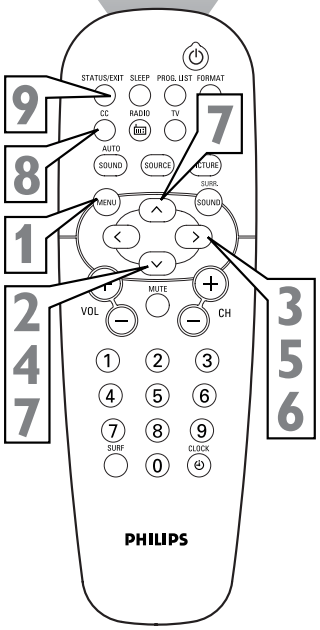
Closed Captioning (CC) allows you to read the voice content of television programs on the TV screen. Designed to help the hearing impaired, this feature uses onscreen "text boxes" to show dialogue and conversations while the TV program is in progress.

1. **Press the MENU button** on the remote control to show the on-screen menu.
2. **Press the CURSOR DOWN button** twice to highlight FEATURES.
3. **Press the CURSOR RIGHT button** and the menu will shift to the left.
4. **Press the CURSOR DOWN button** repeatedly until the CLOSED CAP control is highlighted.
5. **Press the CURSOR RIGHT button** again. The menu will shift to the left and CAPTION MODE will be highlighted.
6. **Press the CURSOR RIGHT button** to highlight CAPTION MODEs.
7. **Press the CURSOR UP or DOWN button** to select a CAPTION MODE: CC1, CC2, CC3, CC4, CC MUTE, TXT1, TXT2, TXT3, or TXT4. CC DISPLAY turns text OFF or ON if the TV station broadcasting on the channel is making CLOSED CAPTIONING available. With CC DISPLAY highlighted, press the CURSOR RIGHT to toggle Closed Captioning ON or OFF.
8. **NOTE:** You also can **press the CC button** on the remote control to turn the CC option ON or OFF.
9. **Press the STATUS/EXIT button** to remove the menu from the screen.

Helpful Hint

Not all TV programs and product commercials are broadcast with Closed Captioning (CC). Nor are all Closed Captioning MODEs (CAPTION 1–4 or TEXT 1–4) necessarily being used by broadcast stations during the transmission of a program offering Closed Captioning. Refer to your area's TV program listings for the stations and times of shows being broadcast with Closed Captioning.



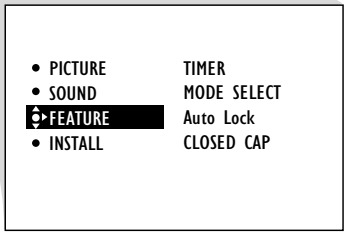


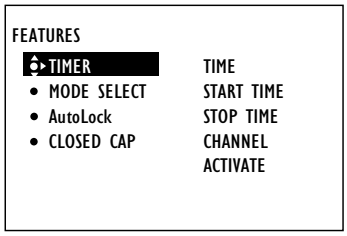


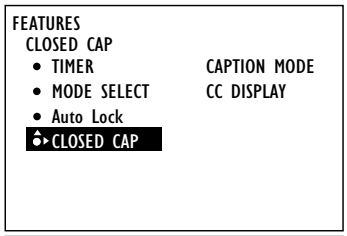
CAPTION Mode Example Display

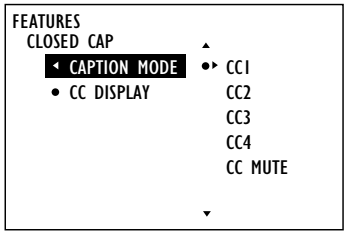


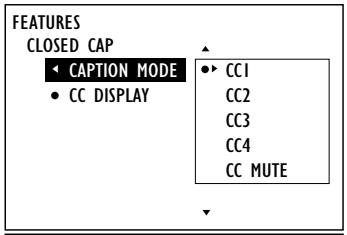
TEXT Mode Example Display - The TV screen will be blocked from viewing.

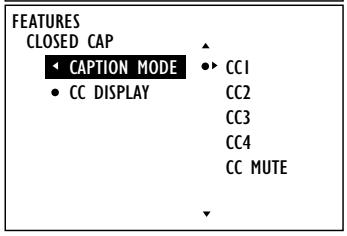


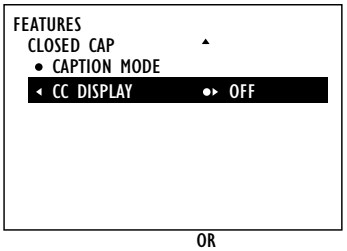




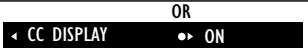








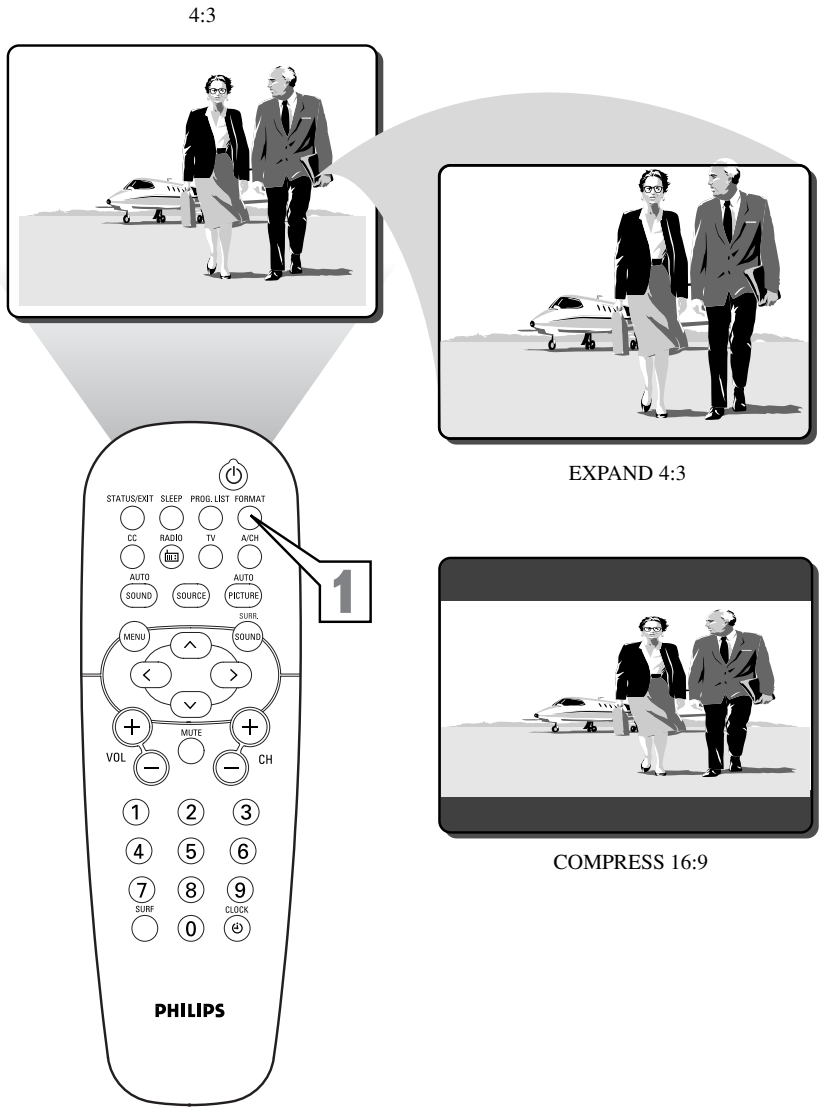
OR



How to Use the Screen Format Control

You can change the screen format size to match the type of program you're watching. Select the normal 4:3, EXPAND 4:3, or COMPRESS 16:9 aspect ratios.

1 **Press the FORMAT button** repeatedly to toggle among the three screen format sizes; 4:3, EXPAND 4:3, or COMPRESS 16:9.



How to Use the Program List Control

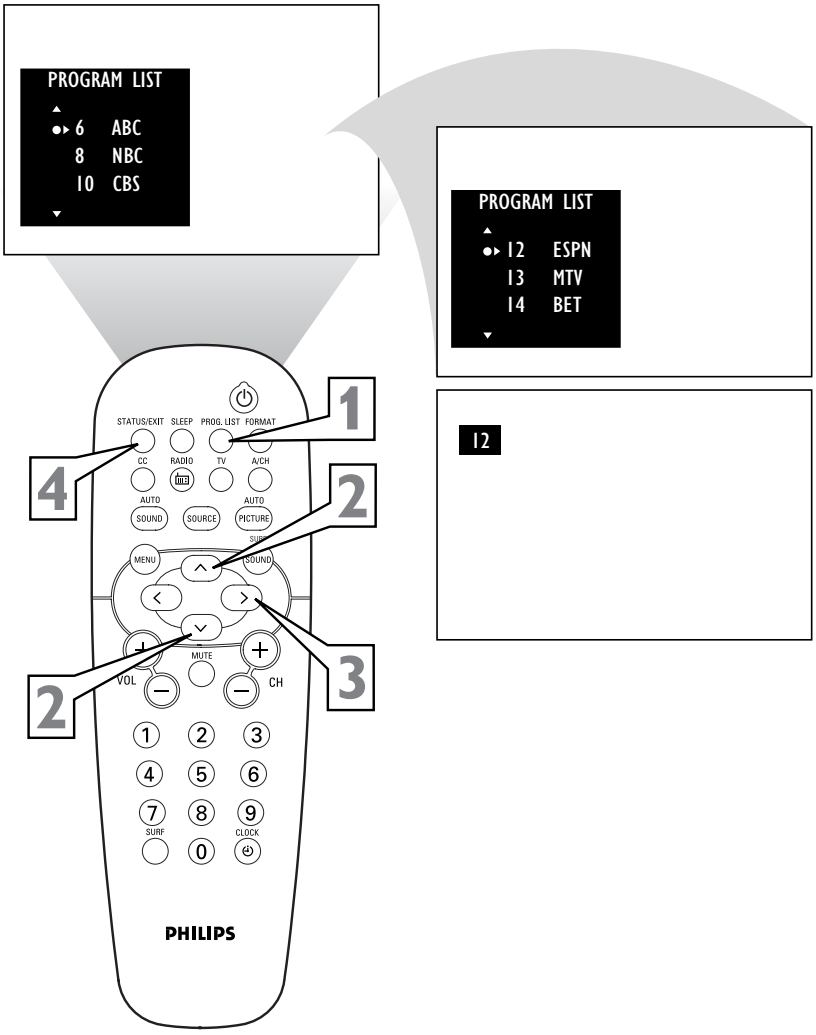
The Program List Control will allow you to quickly overview all the programmed channels that have been placed into the televisions memory (see the Auto Programming section of this manual for more details). Program List will let you easily select the desired channels your looking for. Program List will display the channel number, the name of the channel if you have given it one, and whether it have AutoLock turn on or off.

1 **Press the PROGRAM LIST button** on the remote control to show the current list of installed channels (the current channel will be highlighted).

2 **Press the CURSOR UP or DOWN buttons** to scroll the list of channel, highlighting the one you want to activate.

3 **Press the CURSOR RIGHT button** to activate the channel. The TV will tune to that channel.

4 **Press the STATUS/EXIT button** to remove the menu from the screen.



How to set the Sleeptimer control

Have you ever fallen asleep in front of the TV, only to have it wake you up at two in the morning with a test pattern sound screeching in your ears? Well, your TV can enable you to avoid that discomfort by automatically turning itself off. With the Sleep Timer feature, you can set a timer to automatically switch the TV OFF after a period of time you choose (15-minute increments up to 60 minutes, then 30-minute increments up to 90 minutes, then 60-minute increments up to 240 minutes).

1 **Press the SLEEP button** on the remote control. The SLEEP timer onscreen display will appear in the upper part of the screen.

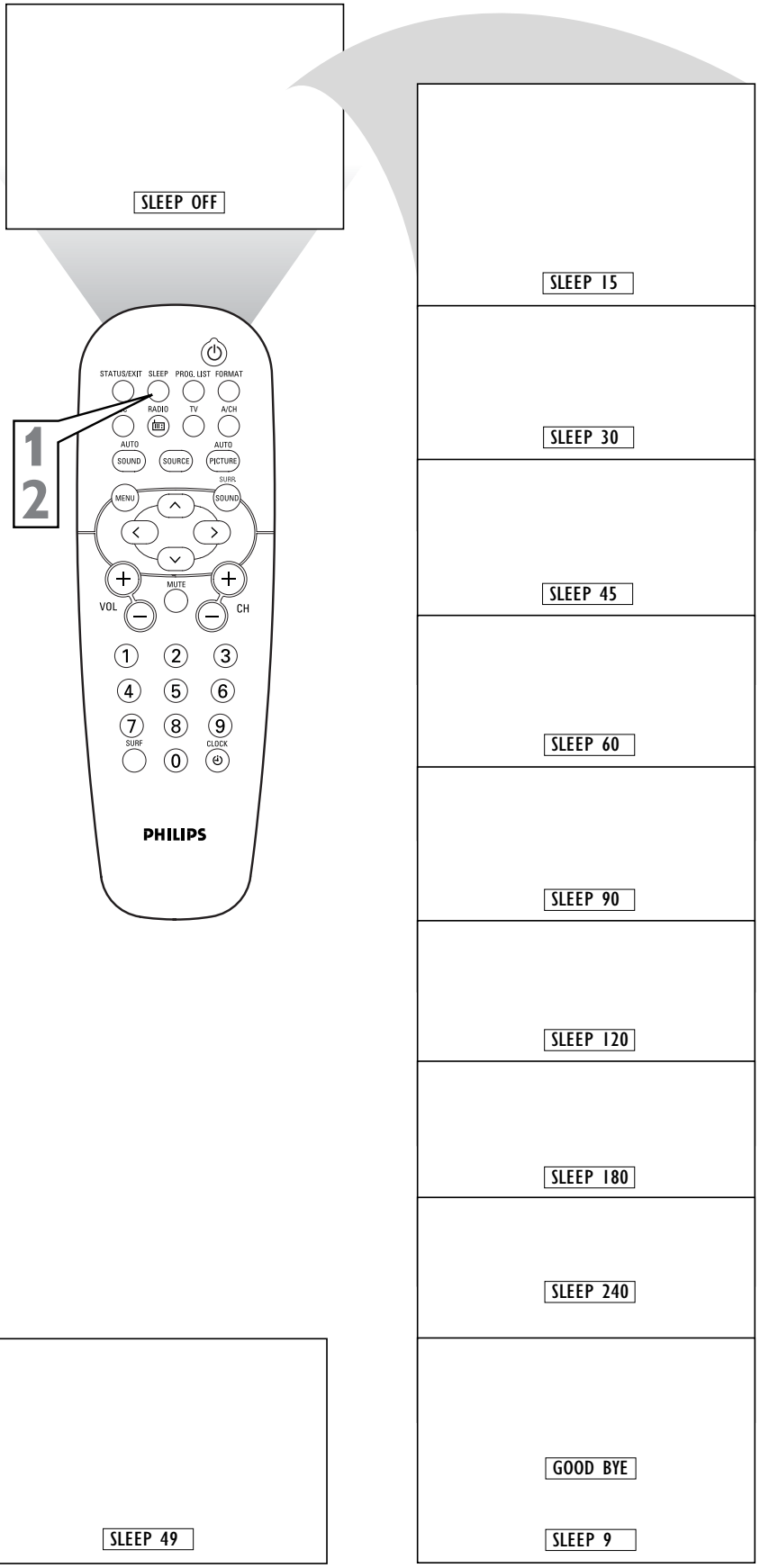
2 **Within five seconds, press the SLEEP button** repeatedly to pick the amount of time (15-minute increments up to 60 minutes, then 30-minute increments up to 90 minutes, then 60-minute increments up to 240 minutes) before the TV will turn itself off.

An onscreen countdown will appear during the last minute before the TV shuts itself off.

Helpful Hint

To see how many minutes remain before the TV shuts itself off, press the STATUS/EXIT button.

A Sleep Timer setting can be cancelled by pressing any button during the last minute of the operation.



During the last minute of a SLEEP timer setting an onscreen countdown will be displayed.

During the last 10 seconds of a SLEEP timer setting, an onscreen display will read GOOD BYE.

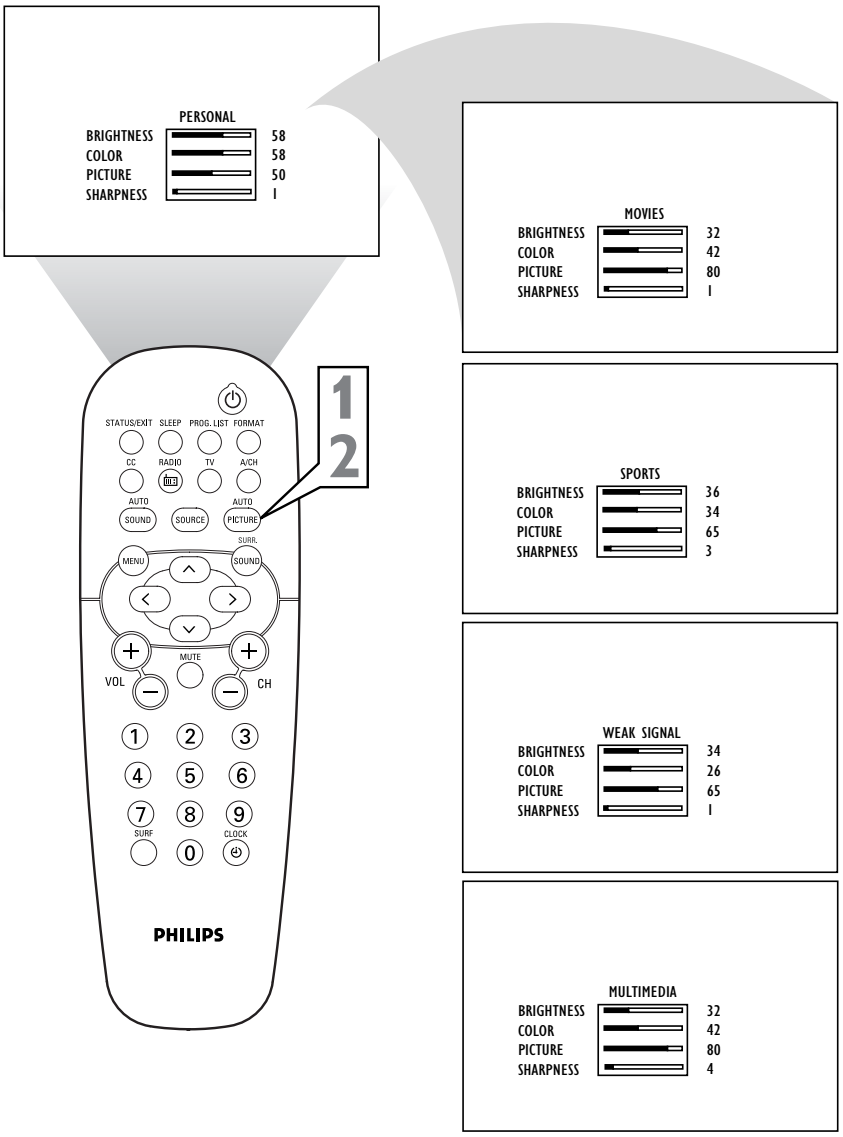
How to Use the AutoPicture™ Control

Whether you're watching a movie or a video game, your TV has automatic video control settings that will match with your current program source or content. AutoPicture™ quickly resets your TV's video controls for a number of different types of programs and viewing conditions that you may have in your home. The Movies, Sports, Weak Signal, and Multimedia AutoPicture™ controls have been preset at the factory to automatically adjust the TV's brightness, color, picture, sharpness, tint, and color temperature levels. The Personal AutoPicture™ settings are the ones that you made through the PICTURE options within the onscreen menu

1 **Press the PICTURE button** on the remote control. The current AutoPicture™ setting will appear in the middle of the screen.

2 **Press the PICTURE button repeatedly** to select either PERSONAL, MOVIES, SPORTS, WEAK SIGNAL, or MULTIMEDIA picture settings.

NOTE: The PERSONAL setting and the PICTURE options within the onscreen menu are the same. This is the only option in AutoPicture™ that can be changed. To adjust these settings, use the PICTURE options within the onscreen menu. All other settings are set up at the factory during production and cannot be adjusted.



NOTE: The values shown in the diagram above are sample values only. Your television's values may vary and display different numbers.

How to Use the AutoSound™ Control

AutoSound™ allows you to select from three factory-set controls and a personal control that you set according to your own preferences through the onscreen Sound menu. The three factory-set controls (Voice, Music, and Theatre) enable you to tailor the TV sound so as to enhance the particular program you are watching. Follow these steps to select any of the options.

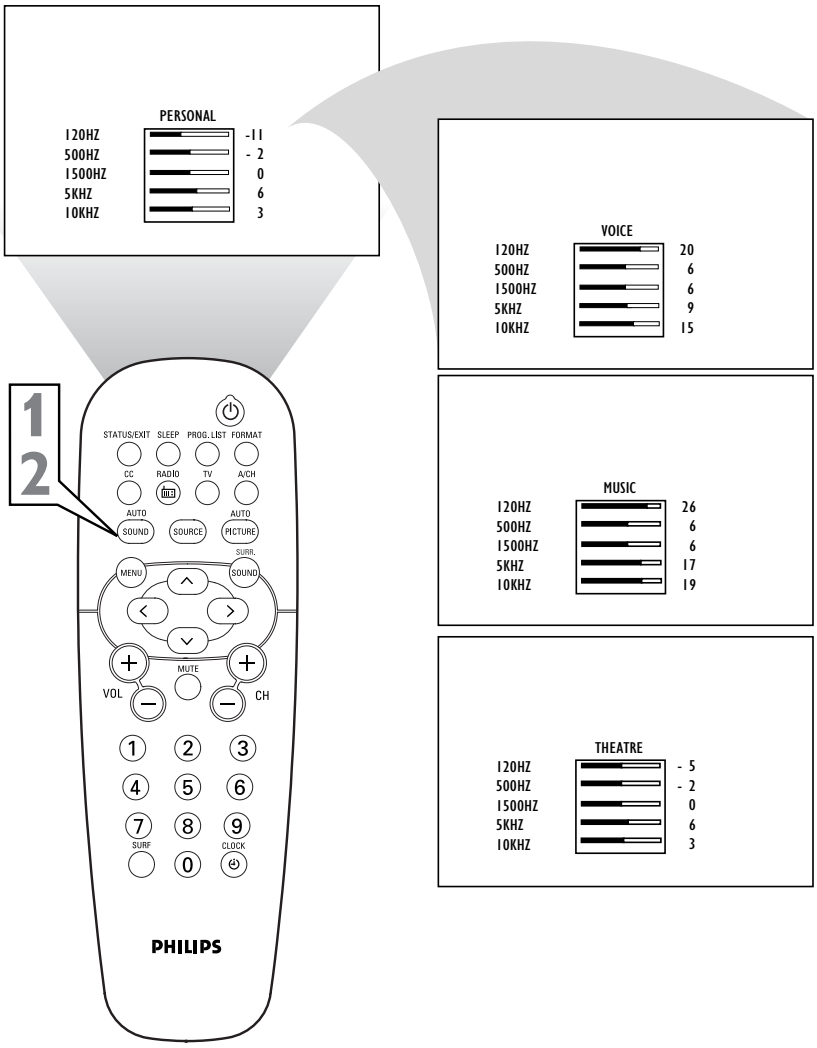
1 **Press the SOUND button** on the remote control. The current AutoSound™ setting will appear in the middle of the screen.

2 **Press the SOUND button repeatedly** to toggle among the four settings: PERSONAL, VOICE, MUSIC, or THEATRE.

Remember, only the PERSONAL control can be changed by the viewer. This changes the settings in the main onscreen menu's SOUND controls

Helpful Hint

AutoSound™ works only with the programs coming through the ANTENNA/CABLE (ANT) input on the rear of the TV (RF audio). It will not control the sound levels for the external connections.



NOTE: The values shown in the diagram above are sample values only. Your television's values may vary and display different numbers.

How to Use the Surf Control

A list or series of previously viewed channels can be selected with the SURF button on your remote control. With this feature, you can easily switch between different TV channels that currently interest you. The SURF control allows you to set up to ten channels in its quick viewing list.

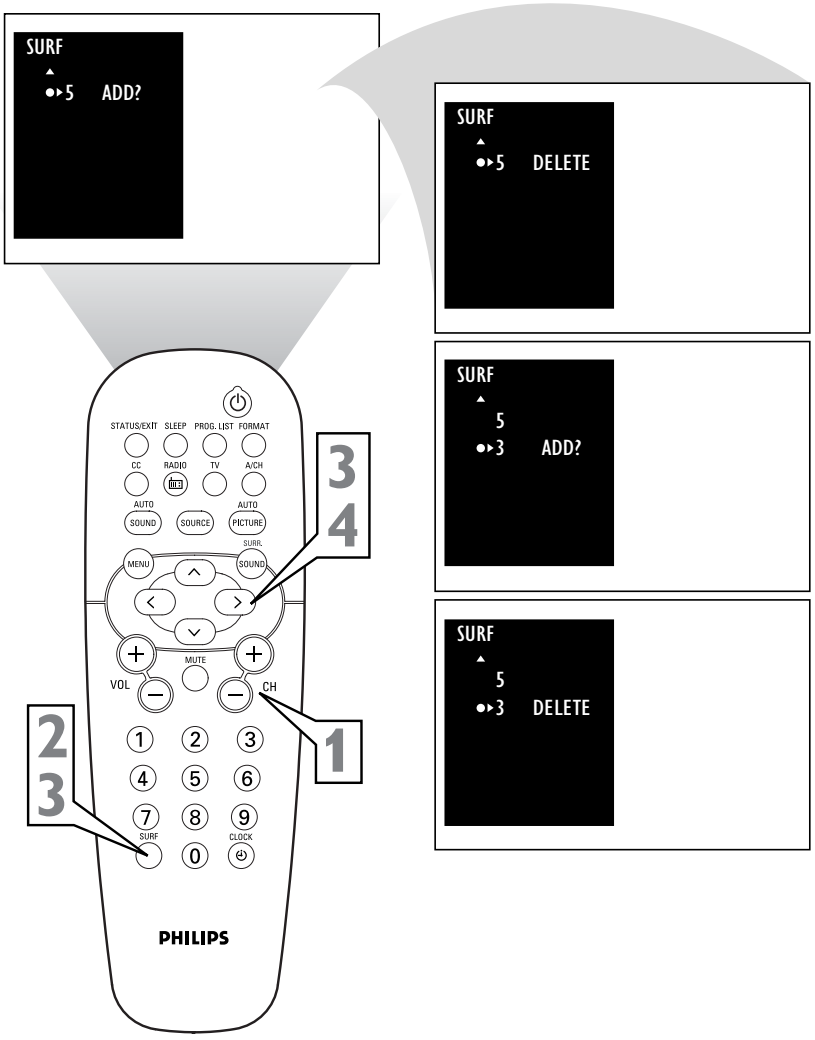
1 **Press the CHANNEL(+) or (–) button** (or the numbered buttons) to select a channel to add to the SURF list.

2 **Press the SURF button** on the remote control. The onscreen display may read, "SURF LIST EMPTY." The number of the current channel will be shown with "ADD?" to the right.

3 While the SURF list message or the SURF channel list appears on the screen, **press the CURSOR RIGHT button** to add the present channel to the SURF list.

4 If you want to delete the present channel from the SURF list, **press the CURSOR RIGHT button** again.

Repeat steps 1 through 3 to add more channels (up to 10) to the SURF list.



Helpful Hint

Along with regularly programmed channels, the external video source connections can be added to the SURF list. This means that the external A/V Jacks and their channels can be added to your SURF list. Use the Source button to tune their channel and use the same procedure described on this page.

SETTING UP THE FM MODE (FM RADIO)

INSTALL CONTROLS

This TV also provides you with an FM Radio. An FM Radio signal must be connected to the FM Antenna 75Ω Jack located on the bottom of the TV.

1 **To enter the FM Mode, press the RADIO button** on the remote control. The FM Mode has its own onscreen menu options.

2 **Press the MENU button** on the remote control to display the FM Mode onscreen menu.

3 **Press the CURSOR UP or DOWN buttons** to scroll through the available FM Mode onscreen options. These options include: **Language, Auto Program, Manual Store, Sort, or Name.**

LANGUAGE - Choose to view the onscreen menu in English, French or Spanish.

AUTO PROGRAM - The Auto Program control will search the FM antenna signal and store any FM channel it finds in the TV's memory.

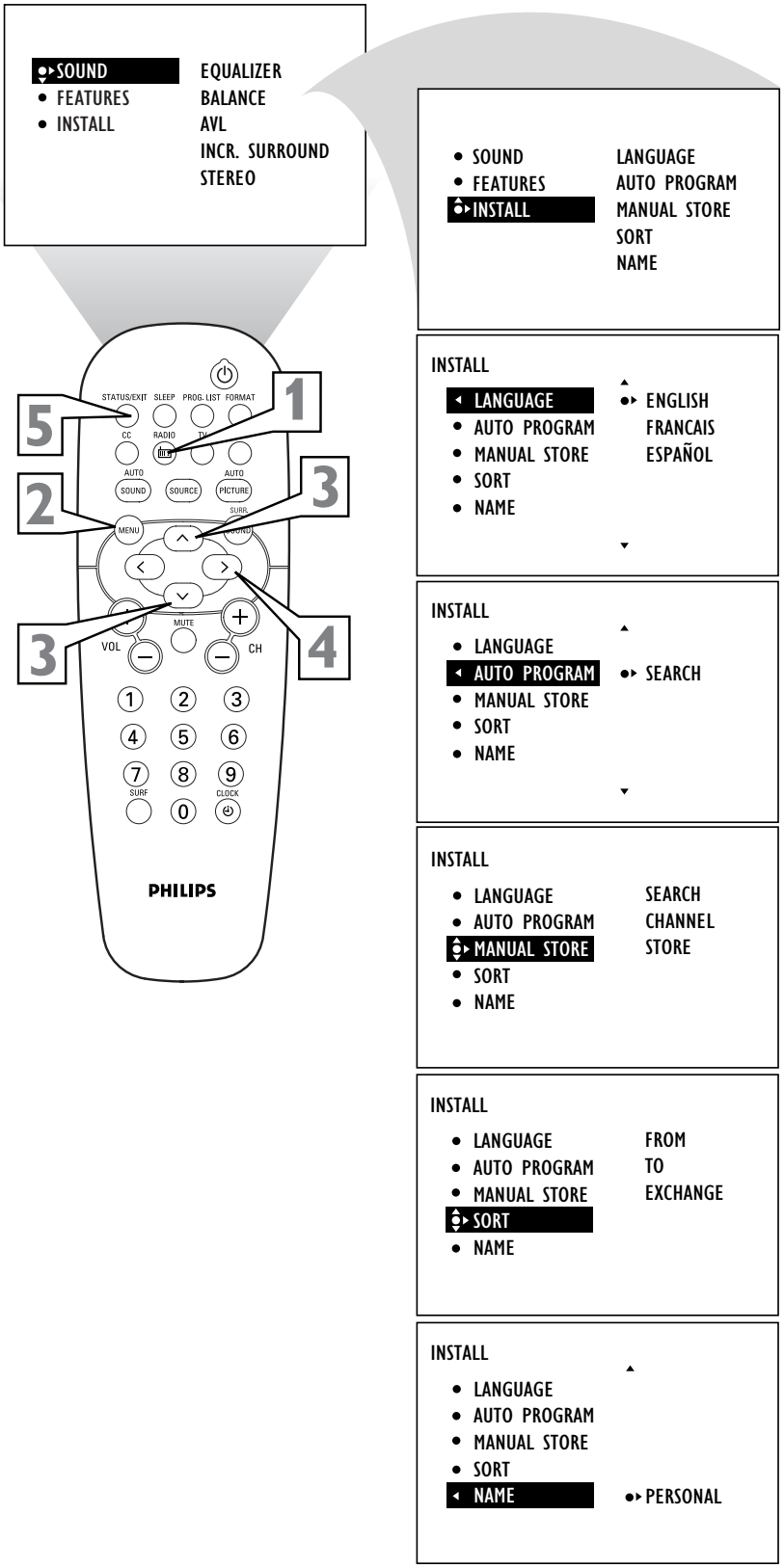
MANUAL STORE - This control will allow you to manually tune any available FM signals.

SORT - The Sort Control will allow you to rearrange your stored FM stations in the order you prefer.

NAME - You can label or apply a name to your programmed FM radio stations. Add your own personal name or choose one from the predefined list.

4 **Press the CURSOR RIGHT button** to adjust or select items within the highlighted feature sub-menu.

5 **Press the STATUS/EXIT button** to remove the onscreen menu from the TV screen when finished. Or, let the display time out and the menu will disappear after a few second.



SETTING UP THE FM MODE (FM RADIO)

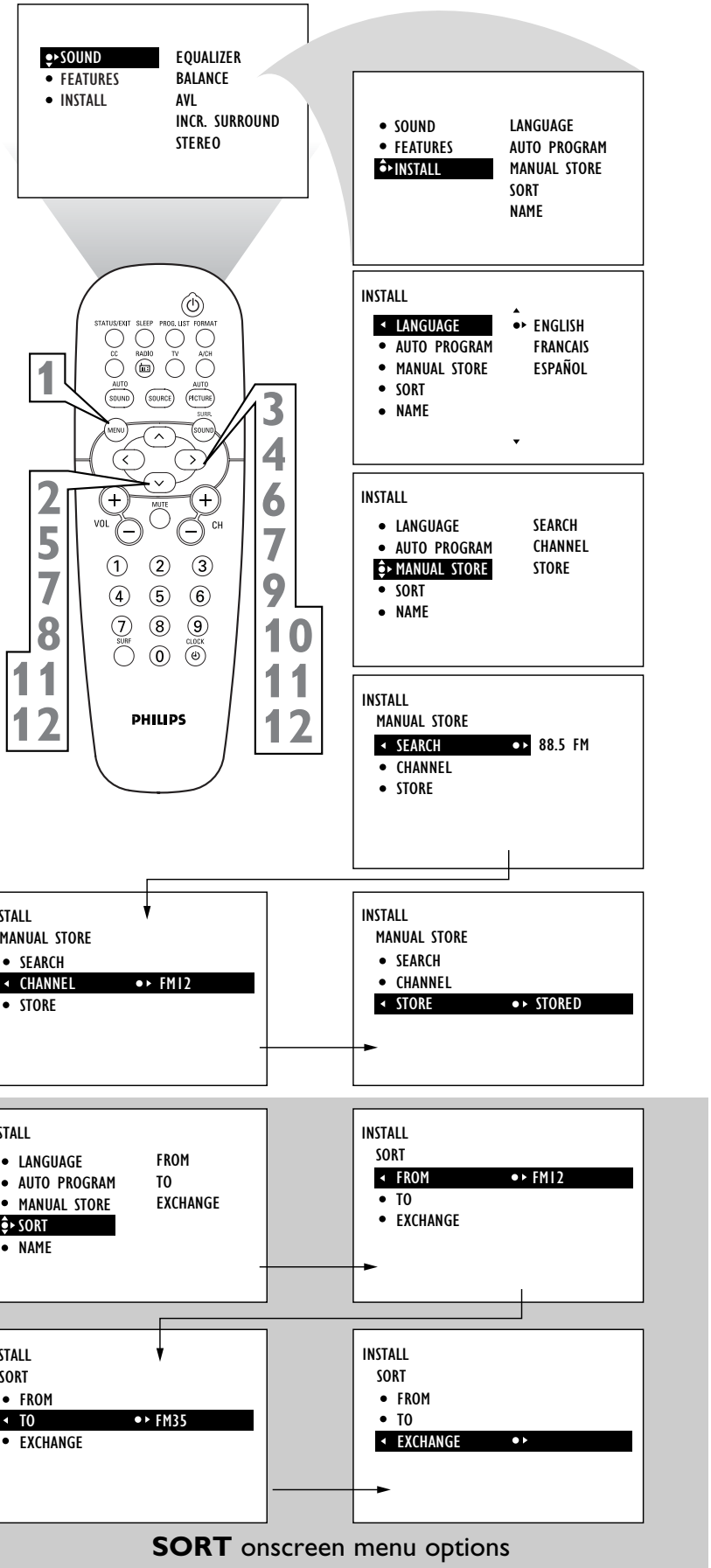
MANUAL STORE/SORT

To Manually search, store and sort FM channels follow the instructions below:

1. **If in the FM Mode, press the MENU button** on the remote control to display the FM Mode onscreen menu.
2. **Press the CURSOR DOWN buttons** to highlight the MANUAL STORE option.
3. **Press the CURSOR RIGHT button** to shift the menu to the left. SEARCH will be highlighted.
4. **Press the CURSOR RIGHT button** to begin the Manual Search of available FM stations. When a station is found, the search will end until activated again.
5. If the station found is one that you want to keep, **press the CURSOR DOWN button** to highlight CHANNEL.
6. **Press the CURSOR RIGHT button** repeatedly to toggle a list of 40 channel references (FM1 to FM40).
7. **Press the CURSOR DOWN button** to highlight STORE. Then, press the CURSOR RIGHT button to store the station to the selected channel reference. The onscreen menu will changed to STORED.

Repeat the process for any other FM Stations.

8. **To SORT the channels stored, press the CURSOR DOWN** (while in the INSTALL menu options) to highlight the word SORT.
9. **Press the CURSOR RIGHT** to shift the menu left. FROM will be highlighted.
10. **Press the CURSOR RIGHT button** repeatedly to select one of the channel references (FM1 to FM40) you wish to move.
11. **Press the CURSOR DOWN button to highlight TO.** Press the CURSOR RIGHT button repeatedly to select one of the channel references (FM1 to FM40) you want to swap the reference chosen in the previous step to.
12. **Press the CURSOR DOWN** to highlight EXCHANGE. Press the CURSOR RIGHT to swap the channel reference.



SORT onscreen menu options

SETTING UP THE FM MODE (FM RADIO)

SOUND CONTROLS

To ensure the best sound quality from the FM Radio feature of this TV, several Sound Controls are available for adjustment.

1 **To enter the FM Mode, press the RADIO button** on the remote control. The FM Mode has its own onscreen menu options.

2 **Press the MENU button** on the remote control to display the FM Mode onscreen menu.

3 **Press the CURSOR DOWN button** until SOUND is highlighted.

4 **Press the CURSOR RIGHT button** to shift the menu to the left, accessing the SOUND onscreen menu options. these option include: **EQUALIZER, BALANCE, AVL, INCREDIBLE SURROUND, or STEREO.**

EQUALIZER - Allows the listener to change the sound frequencies to their liking.

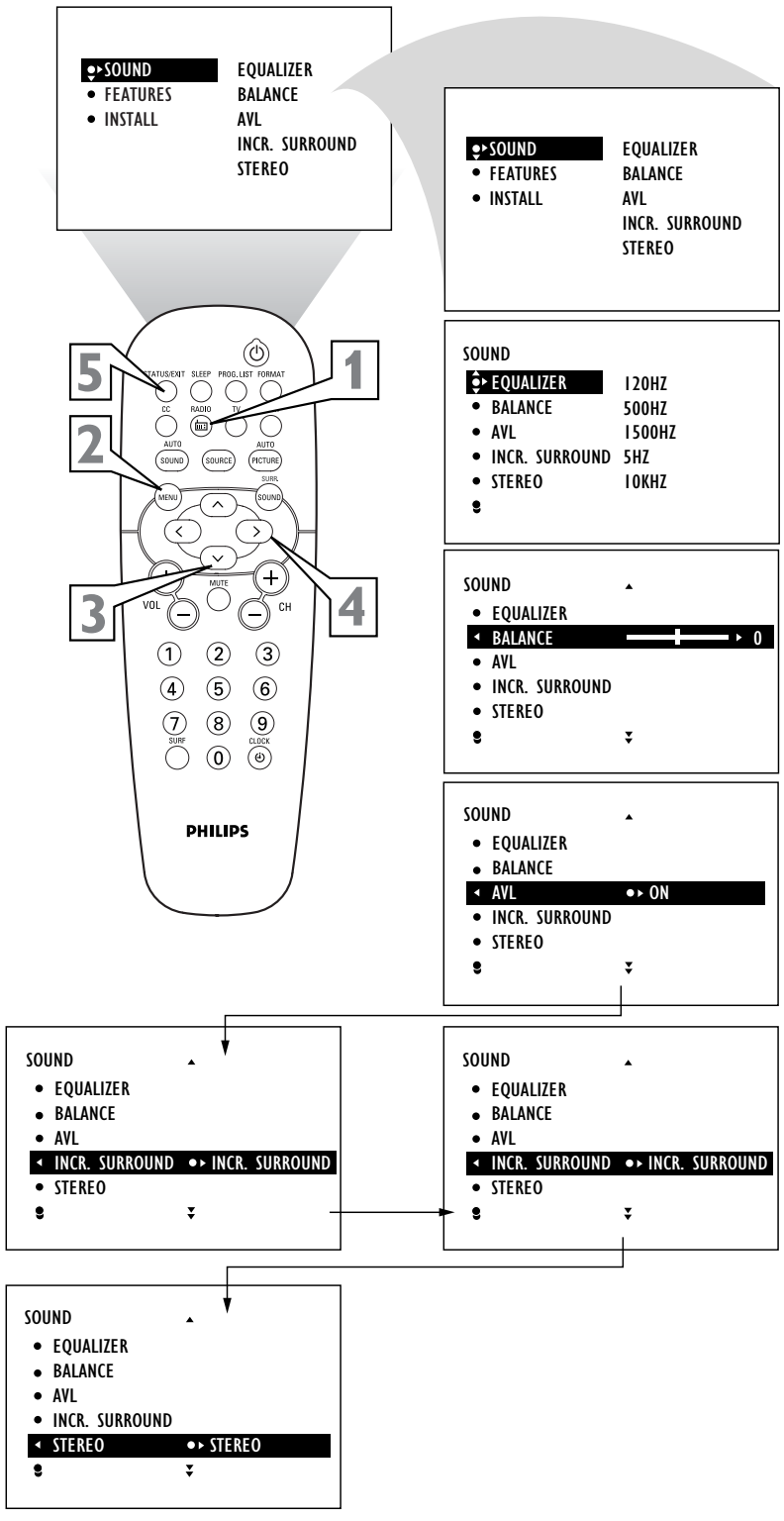
BALANCE - This controls the sound level balance between the right and left TV speakers.

AVL - Automatic Volume Leveler, when ON, will keep the volume level at a consistent level should there be sudden peaks and valleys in sound levels during commercial breaks or channel changes.

INCREDIBLE SURROUND - Allows the user to select a predefined Incredible Surround setting or Stereo when the signal is stereo or Spatial and Mono when the signal is being received in mono.

STEREO - Select Stereo or Mono. If the signal is being received in Mono the control cannot be placed in Stereo.

5 **Press the STATUS/EXIT button** to remove the onscreen menu from the TV screen when finished. Or, let the display time out and the menu will disappear after a few second.



SETTING UP THE FM MODE (FM RADIO)

TIMER CONTROLS

The FM Radio within the TV can be set to turn on and off at a specific time, or tune to a specific channel when it powers on. The Timer controls also allows the FM Display to be turned on or off.

1 **To enter the FM Mode, press the RADIO button** on the remote control. The FM Mode has its own onscreen menu options.

2 **Press the MENU button** on the remote control to display the FM Mode onscreen menu.

3 **Press the CURSOR DOWN button** until TIMER is highlighted.

4 **Press the CURSOR RIGHT button** to shift the menu to the left, accessing the TIMER onscreen menu options. these option include: **TIME, START TIME, STOP TIME, CHANNEL, ACTIVATE, or DISPLAY.**

TIME - This is simply the Clock setting. Allows you to enter the current time.

START TIME - This control allows you to set a specific time you want the FM Radio to turn ON.

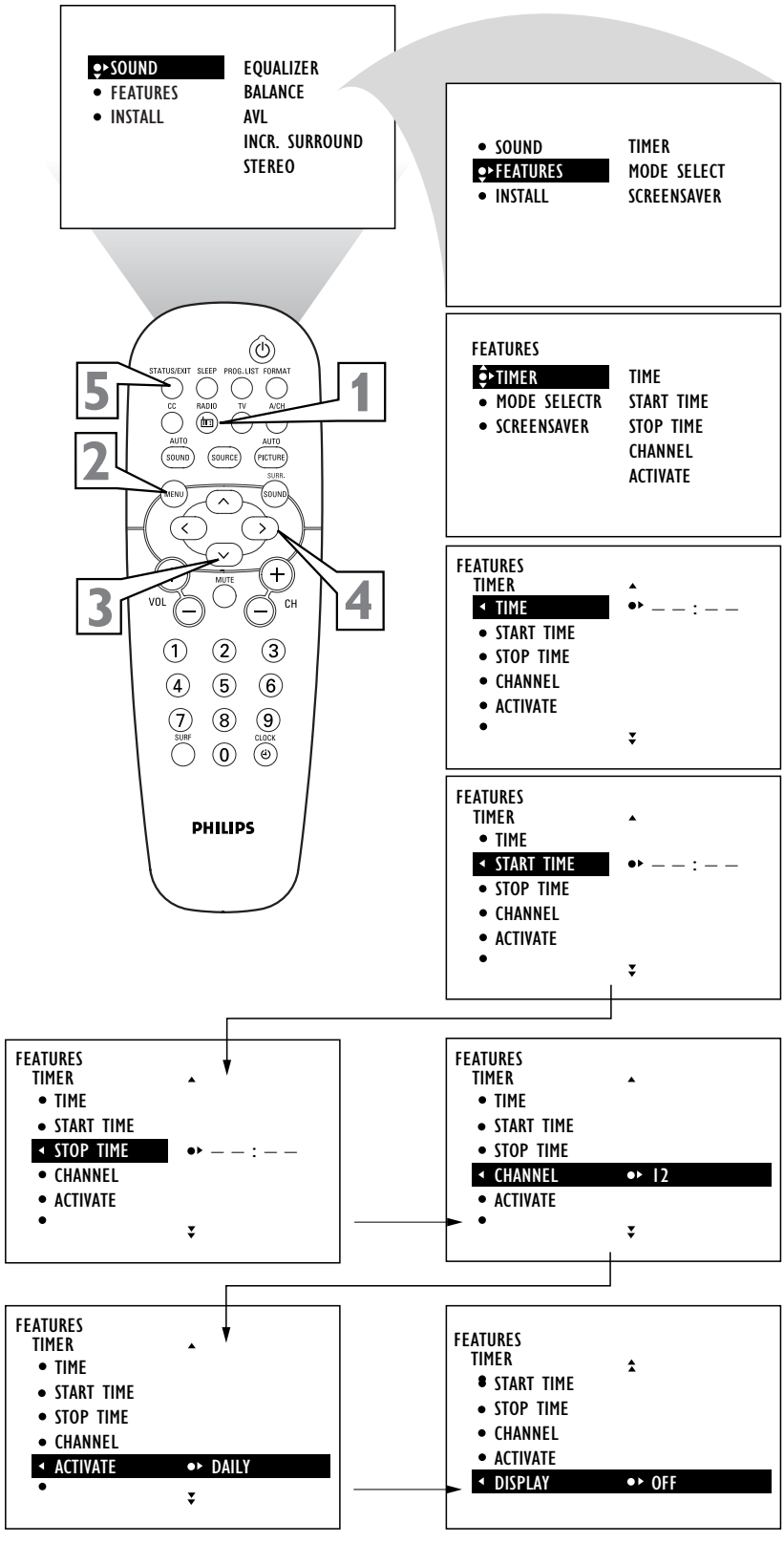
STOP TIME - This control allows you to set a specific time you want the FM Radio to turn OFF.

CHANNEL - This controls allows you to set a specific channel you want the FM Radio to tune to when it powers on.

ACTIVATE - Once the Time and channel controls have been adjusted, set Activate to ONCE or DAILY. ONCe will activate the process one time, while DAILY will activate the TIMER controls every week day.

DISPLAY - If set to ON, the Display control will display the current time on the TV screen when in the FM Mode.

5 **Press the STATUS/EXIT button** to remove the onscreen menu from the TV screen when finished. Or, let the display time out and the menu will disappear after a few second.

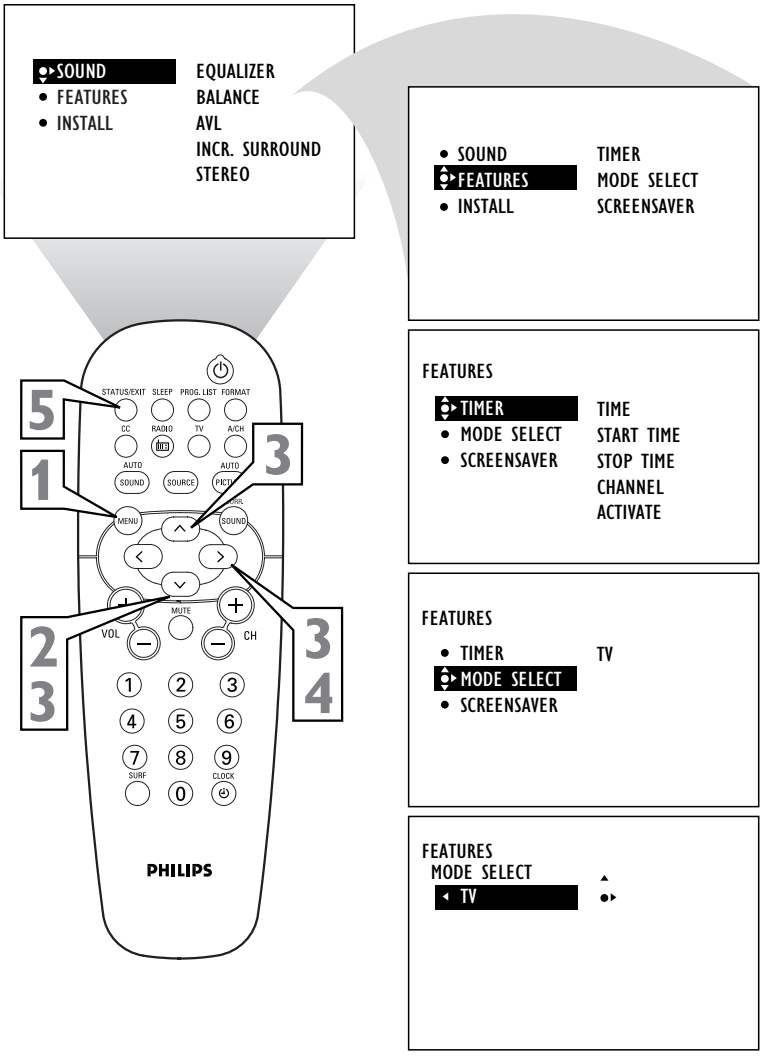


SETTING UP THE FM MODE (FM RADIO)

MODE SELECT CONTROL

The Mode Select option allow you to move from the FM Radio Mode to the TV Mode of operation.

1. **If in the FM mode, press the MENU button** on the remote control to display the FM Mode onscreen menu.
2. **Press the CURSOR DOWN button** until MODE SELECT is highlighted.
3. **Press the CURSOR RIGHT button** to shift the menu to the left, accessing the Mode Select onscreen menu options. TV will be highlighted.
4. **Press the CURSOR RIGHT button** to change the FM Radio Mode to the TV Mode option. The TV will automatically switch to the TV Mode of operation.
5. **Press the STATUS/EXIT button** to remove the onscreen menu from the TV screen when finished. Or, let the display time out and the menu will disappear after a few second.



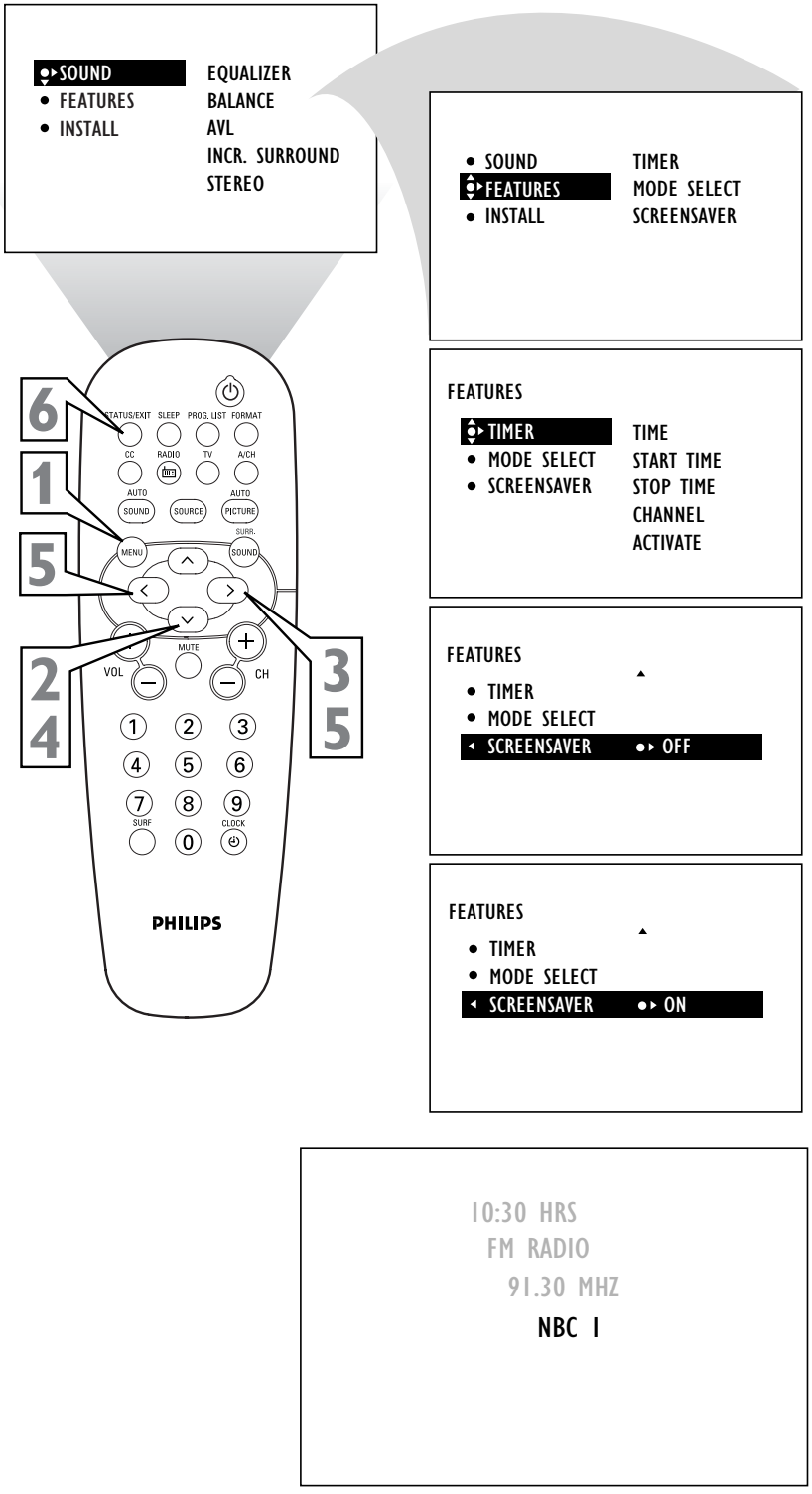
SETTING UP THE FM MODE (FM RADIO)

SCREENSAVER CONTROL

While in the FM Mode, there is a Screensaver option that can be used. The Screensaver control, when on, will circulate the screen station indication around the display.

1. **If in the FM mode, press the MENU button** on the remote control to display the FM Mode onscreen menu.
2. **Press the CURSOR DOWN button** until FEATURES is highlighted.
3. **Press the CURSOR RIGHT button** to shift the menu to the left. TIMER will be highlighted.
4. **Press the CURSOR DOWN button** until SCREENSAVER is highlighted.
5. **Press the CURSOR RIGHT or LEFT button** to toggle the Screensaver control ON or OFF.

 With the Screensaver control set to ON, the display will shift around the screen pausing in one place for a brief moment.
6. **Press the STATUS/EXIT button** to remove the onscreen menu from the TV screen when finished. Or, let the display time out and the menu will disappear after a few second.



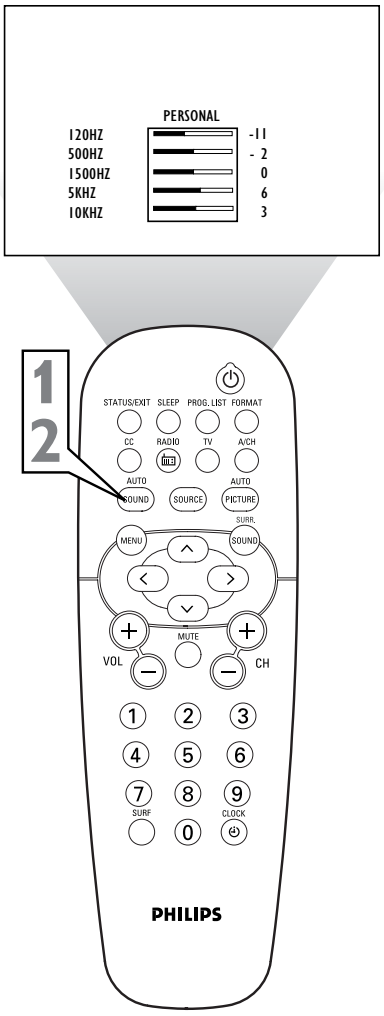
SETTING UP THE FM MODE (FM RADIO)

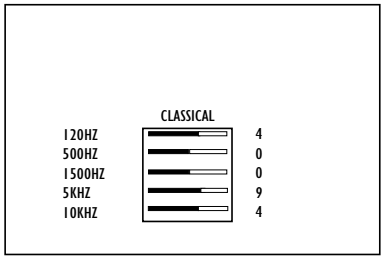
AUTOSOUND™ CONTROLS

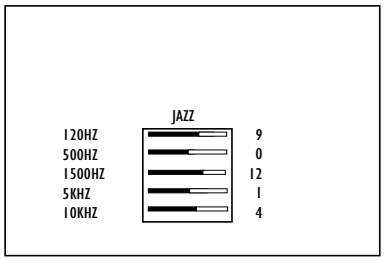
AutoSound™ allows you to select from four factory-set controls and a personal control that you set according to your own preferences through the onscreen Sound menu within the FM Mode. The four factory-set controls (Classical, Jazz Pop, or Rock) enable you to tailor the sound so as to enhance the particular program you are listening to.

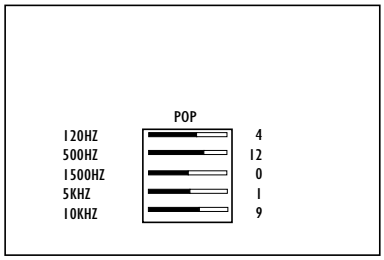
1 **If in the FM mode, press the AUTO SOUND button** on the remote control to display the first AutoSound™option on the screen.

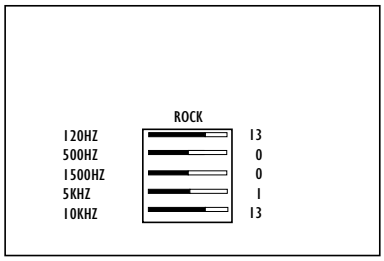
2 **Press the AUTO SOUND button** repeatedly to toggle through the factory pre-defined setting for the following musical styles: CLASSICAL, JAZZ, POP, ROCK or PERSONAL (the way you set the equalizer).











Troubleshooting Tips

No Power
- Check the TV power cord. Unplug the TV, wait 10 seconds, then reinsert the plug into the outlet and push the POWER button again.
- Check that the outlet is not on a wall switch.
- Be sure the fuse is not blown on the AC power strip, if one is being used.

No Picture
- Check antenna/cable connections. Are they properly secured to the TV's ANT 75Ω plug?
- Check the TUNER MODE control for the correct tuner setting.
- Try running the Auto Program feature to find all available channels.
- Press the SOURCE button on the remote to make sure the correct signal source is selected.
- If using an accessory device, be sure that it is functioning properly.
- If in PC Mode, a video signal MUST BE present or the TV will turn off.

No Sound
- Check the VOLUME buttons.
- Check the MUTE button on the remote control.
- If you're attempting to hook up auxiliary equipment, check the audio jack connections.

TV Only Produces MONO Sound
- If using a cable box with RF only type connections, the signal coming from the cable box will be produced in MONO only.
- Check Sound control setting. Change setting to Stereo.

Remote Does Not Work
- Check the batteries. If necessary, replace them with AA Heavy Duty (Zinc Chloride) or Alkaline batteries.
- Clean the remote control and the remote control sensor window on the TV.
- Check the TV power cord. Unplug the TV, wait 10 seconds, then reinsert the plug into the outlet and push the POWER button again.
- Be sure the fuse is not blown on the AC power strip, if one is being used.
- Check to be sure the TV outlet is not on a wall switch.
- Be sure that the remote is in the correct operating mode.
- Be sure the remote is pointed at the Remote Sensor Window on the TV. See page 1 of the *Quick Use Guide* for details.

TV Displays Wrong Channel or No Channels Above 13
- Repeat channel selection.
- Add the desired channel numbers (using the CHANNEL EDIT control) into the TV's memory.
- Check to be sure the TUNER MODES are set to the CABLE option and run the Auto Program feature to find all available channels.

Cleaning and Care

WARNING Concerning Stationary Images on the TV Screen:

Do not leave stationary or letterbox images on screen for extended periods of time. This can cause uneven display aging.

Normal use of the TV should involve the showing of pictures that contain constantly moving and changing images that fill the screen. Be careful not to leave nonmoving images on screen for extended periods of time, or to display the same images on screen too frequently, because subtle ghost images can be left on the picture tubes. Sources of stationary images may be DVD disks, laser disks, video games, CD-i disks, videotapes, digital television boxes, broadcast channels, cable channels, satellite channels, and others. **Here are some examples of stationary images (this is not an all-inclusive list; you may encounter others in your viewing):**
- **DVD menus—**listings of DVD disk content
- **Letterbox black bars—**shown at the top and bottom of the TV screen when a wide screen (16:9) movie is viewed on a TV with standard (4:3) aspect ratio.
- **Video-game images and scoreboards**
- **Television station logos—**present a problem if they are bright and stationary; moving or low-contrast graphics are less likely to cause uneven aging of the picture tube
- **Stock-market tickers—**presented at the bottom of the TV screen
- **Shopping channel logos and pricing displays—**bright and shown constantly or repeatedly in the same location on the TV screen.

Placement of the TV
- To avoid cabinet warping, cabinet color changes, and increased chance of set failure, do not place the TV where temperatures can become excessively hot; for example, in direct sunlight or near a heating appliance.
- Be sure to allow a free flow of air to and from the perforated back cover of the set.

Cleaning
- To avoid possible shock hazard, be sure the TV is unplugged from the electrical outlet before cleaning.
- Regularly dust the TV with a dry, nonscratching duster to keep the TV clean.
- When cleaning the TV, take care not to scratch or damage the screen surface. Avoid wearing jewelry or using anything abrasive. Do not use household cleaners. Wipe the front screen with a clean cloth dampened with water. Use even, easy, vertical strokes when cleaning.
- Gently wipe the cabinet surfaces with a clean cloth or sponge dampened in a solution of cool, clear water and a mild soap or detergent. Use a clean, dry cloth to dry the wiped surfaces. Do not use acetone, toluene, or alcohol to clean the screen.
- Occasionally vacuum the ventilation holes or slots in the back cover of the set.
- Never use thinners, insecticide sprays, or other chemicals on or near the cabinet, as they might cause permanent marring of the cabinet finish.

Glossary of Terms

Audio/Video Inputs • Jacks (standard RCA), located on the back of the TV, used for external accessory devices. These jacks are designed to receive higher picture resolution and offer sound-connection options.

Auto Programming • When activated, this feature scans for all available channels from regular antenna or cable signals and stores only active broadcast stations in the TV's memory.

Channel Edit • The feature that allows you to add or delete channels from the list of channels stored in the TV's memory.

Closed Captioning • The broadcast standard feature that allows you to read the voice content of television programs on the TV screen. Designed to help the hearing impaired, Closed Captioning shows dialogue and conversations while a TV program is in progress.

Coaxial Cable • A single solid wire normally matched with a metal plug (F-type) end connector that screws (or pushes) directly onto a 75-ohm input found on the television or VCR.

Component Video Inputs • Inputs that allow the separate reception of blue, red, and luminance signals. These inputs provide the highest possible color and picture resolution in the playback of digital signal-source material, such as the kind available from DVD players.

Composite Video Input • An input in which all the components required for displaying the onscreen image are combined in one signal.

High-definition Television (HDTV) • High-resolution digital television.

Incredible Surround • False acoustic management of the audio signal that produces a dramatic expansion of the wall of sound that surrounds the listener and heightens overall viewing pleasure.

Menu • An onscreen list of feature controls available for you to adjust or set.

Onscreen Displays (OSD) • The wording or messages generated by the television (or VCR) to help you with specific feature controls (color adjustment or programming, for example).

Remote Control Sensor Window • The window or opening found on the television control panel through which infrared remote control command signals are received.

Second Audio Program (SAP) • An additional audio channel provided for in the Multichannel Television Sound (MTS) broadcast standard. A monaural soundtrack included within the recorded or video signal (usually containing a second language translation for the displayed programming).

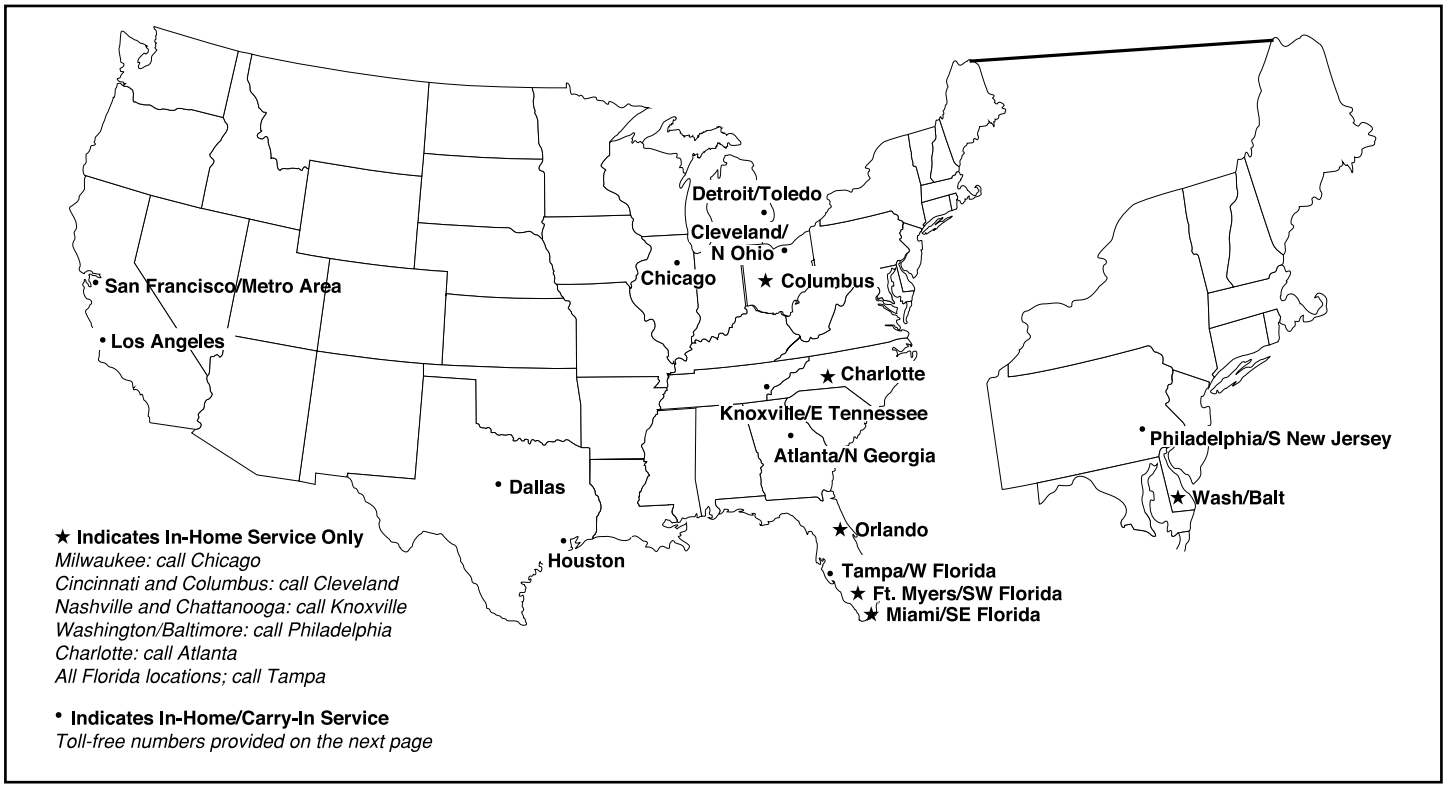
S-Video Input • Signal input that allows direct connection of high-resolution video sources, such as a satellite receiver, DVD player, S (Super)-VHS videocassette recorder, or video games. Provides improved picture resolution, sharpness, and clarity.

Tint • TV function that allows you to change the general color balance between cool and warm. Adjust tint according to your personal preference.

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FACTORY SERVICE LOCATIONS



NOTE: If you reside in one of our Philips Factory Service Branch areas (see directory on back), you can contact the nearest Service Branch to obtain efficient and expedient repair for your product. If your product is In-Warranty, you should have proof-of-purchase to ensure No Charge Service. For Out-of-Warranty service, call the location nearest you.

NOTA: Si vous résidez dans une des régions desservies par une succursale de service après vente du fabricant Philips (voir liste ci-dessous), vous pourrez contacter la branche de service après vente la plus près de chez vous pour obtenir un service après vente rapide et efficace. Si le produit est sous garantie, il suffira de présenter une preuve d`achat pour bénéficier d'un service sans frais. Pour les produits non couverts par la garantie, contactez le centre le plus près de chez vous.

NOTA: Si Ud. reside en una de nuestras zonas para sucursales Philips de servicio al de fábrica (ver directorio más abajo), Ud. puede comunicarse con la sucursal de servicio más cercana para obtener una reparación oportuna y eficaz de su producto. Si su producto está todavía bajo garantía, Ud. debe presentar comprobante de compra para no ocasionar ningunos cargos por servicio. Para servicio después del vencimiento de la garantía, llame al lugar más cercano de los abajo indicados.

In Canada

How you can obtain efficient and expedient carry-in, mail-in, or in-home service for your product
Please contact Philips at 1-800-661-6162 (French speaking)
1-800-531-0039 (English or Spanish speaking)

Au Canada

Comment obtenir le service après-vente pour les produits apportés ou envoyés par la poste à notre centre de service ou le service à domicile
Veuillez contacter philips á: 1-800-661-6162 (Francophone)
1-800-531-0039 (Anglais ou Espagnol)

En el Canadá

Cómo recibir servicio efficiente para su producto, en persona, por correo o a domicillo
Favor de comunicarse con Philips al: 1-800-661-6162 (francófono)
1-800-531-0039 (Inglés o Español))

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Factory Service Locations

Quality service is as close as your telephone! Simply look over the list below for the number of a Factory Service Center near you. Your product will receive efficient and expedient carry-in, mail-in, or in-home service, and you will receive peace of mind, knowing your product is being given the expert attention of Philips' Factory Service.

COMMENT OBTENIR NOTRE SERVICE APRÈS VENTE RAPIDE ET EFFICACE SOIT PAR COURRIER, À DOMICILE, OU EN SE PRÉSENTANT À UN CENTRE DE SERVICE PHILIPS. PLUS DE 600 CENTRES DE RÉCEPTION DE PRODUITS À RÉPARER À TRAVERS LE PAYS: CONTACTER LE CENTRE DE SERVICE AUX CONSOMMATEURS LE PLUS PROCHE POUR SAVOIR L'EMPLACEMENT DE CES DÉPÔTS DANS UN RAYON DE 50 À 75 MILES (80 KM À 120 KM) DU CENTRE DE SERVICE LOCAL.

CÓMO OBTENER UN SERVICIO OPORTUNO Y EFICIENTE POR CORREO, EN CASA O EN PERSONA PARA SU PRODUCTO A TRAVÉS DE UN CENTRO PHILIPS DE SERVICIO. MAS DE 600 SITIOS POR TODO EL PAIS PARA LA RECEPCION DE PRODUCTOS NECESITADOS DE REPARACIONES: COMUNICARSE CON EL CENTRO DE SERVICIO DE FABRICA MAS CERCANO PARA ESTOS LUGARES DENTRO DE UN RADIO DE 80 A 120 KM (50 A 75 MILLAS) DEL CENTRO DE SERVICIO LOCAL.

ATLANTA
Philips Factory Service
550 Franklin Road., Suite F
Marietta, GA 30067
800-273-1501

CLEVELAND
Philips Factory Service
950 Keynote Circle
Brooklyn Heights, OH 44131
800-331-7037

CHICAGO
Philips Factory Service
1279 W. Hamilton Pkwy.
Itasca, IL 60143
800-531-2922

TAMPA
Philips Factory Service
1911 US Highway 301 North, Suite 100
Tampa, FL 33619
800-442-2027

DETROIT
Philips Factory Service
25173 Dequindre
Madison Heights, MI 48071
800-438-1398

KNOXVILLE
Philips Factory Service
One Philips Drive
Knoxville, TN 37914
800-821-1767

SAN FRANCISCO
Philips Factory Service
681 East Brokaw Rd.
San Jose, CA 95112
800-300-9013

DALLAS
Philips Factory Service
415 N. Main Street, #107
Euless, TX 76040
800-952-3254

PHILADELPHIA
Philips Factory Service
352 Dunks Ferry Rd.
Bensalem, PA 19020
800-847-9320

HOUSTON
Philips Factory Service
1110 N. Post Oak Rd., Suite 100
Houston, TX 77055
800-952-3254

LOS ANGELES
Philips Factory Service
20930 Bonita, Ste. V
Carson, CA 90746
800-300-9013

LCD COLOR TELEVISION

One Year Free Labor
One Year Free Replacement of Parts
This product must be carried in for service.

WHO IS COVERED?

You must have proof of purchase to receive warranty service. A sales receipt or other document showing that you purchased the product is considered proof of purchase.

WHAT IS COVERED?

Warranty coverage begins the day you buy your product. *For one year thereafter,* all parts will be repaired or replaced free, and labor is free. From one year from the day of purchase, all parts will be repaired or replaced free, and for all labor charges. After one year from the day of purchase, you pay for the replacement or repair of all parts, and for all labor charges.

All parts, including repaired and replaced parts, are covered only for the original warranty period. When the warranty on the product expires, the warranty on all replaced and repaired parts also expires.

WHAT IS EXCLUDED?

Your warranty does not cover:

- labor charges for installation or setup of the product, adjustment of customer controls on the product, and installation or repair of antenna systems outside of the product.
- product repair and/or part replacement because of misuse, accident, unauthorized repair or other cause not within the control of Philips Consumer Electronics Company.
- reception problems caused by signal conditions or cable or antenna systems outside the unit.
- a product that requires modification or adaptation to enable it to operate in any country other than the country for which it was designed, manufactured, approved and/or authorized, or repair of products damaged by these modifications.
- incidental or consequential damages resulting from the product. (Some states do not allow the exclusion of incidental or consequential damages, so the above exclusion may not apply to you. This includes, but is not limited to, prerecorded material, whether copyrighted or not copyrighted.)
- a product used for commercial or institutional purposes.

WHERE IS SERVICE AVAILABLE?

Warranty service is available in all countries where the product is officially distributed by Philips Consumer Electronics Company. In countries where Philips Consumer Electronics Company does not distribute the product, the local Philips service organization will attempt to provide service (although there may be a delay if the appropriate spare parts and technical manual(s) are not readily available).

MAKE SURE YOU KEEP...

Please keep your sales receipt or other document showing proof of purchase. Attach it to this owner's manual and keep both nearby. Also keep the original box and packing material in case you need to return your product.

BEFORE REQUESTING SERVICE...

Please check your owner's manual before requesting service. Adjustments of the controls discussed there may save you a service call.

TO GET WARRANTY SERVICE IN U.S.A., PUERTO RICO OR U.S. VIRGIN ISLANDS...

Contact a Philips factory service center (see enclosed list) or authorized service center to arrange repair.

(In U.S.A., Puerto Rico and U.S. Virgin Islands, all implied warranties, including implied warranties of merchantability and fitness for a particular purpose, are limited in duration to the duration of this express warranty. But, because some states do not allow limitations on how long an implied warranty may last, this limitation may not apply to you.)

TO GET WARRANTY SERVICE IN CANADA...

Please contact Philips at:

1-800-661-6162 if calling from Canada (French speaking)
1-800-531-0039 (English or Spanish speaking)

(In Canada, this warranty is given in lieu of all other warranties. No other warranties are expressed or implied, including any implied warranties of merchantability or fitness for a particular purpose. Philips is not liable under any circumstances for any direct, indirect, special, incidental or consequential damages, howsoever incurred, even if notified of the possibility of such damages.)

REMEMBER...

Please record the model and serial numbers found on the product below. Also, please fill out and mail your warranty registration card promptly. It will be easier for us to notify you if necessary.

MODEL # _____

SERIAL # _____

This warranty gives you specific legal rights. You may have other rights which vary from state/province to state/province.

Philips Consumer Electronics, P.O. Box 520890, Miami, FL 33152, (402) 536-4171

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